Catalog Cuts

for

St. Monica Food Pantry

Sorted by DHI Sequence

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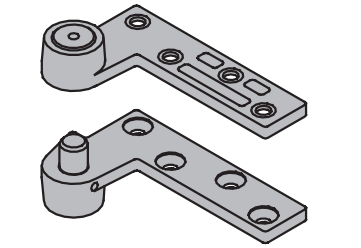
Catalog Cut Summary

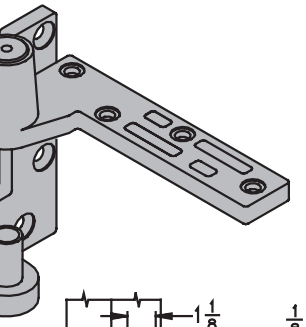
Mfr	Description	Item Id	Catalog Number	Cut
IVE	INTERMEDIATE PIVOT		7215 INT	IVE_0104-IVE_5001
IVE	PIVOT SET		7215 SET	IVE_0104-IVE_5001
IVE	HW HINGE		5BB1HW 4.5 X 4.5 NRP	IVE_0251
IVE	HINGE		5BB1 4.5 X 4.5 NRP	IVE_0250
IVE	HINGE		5BB1 4.5 X 4.5	IVE_0250
IVE	HW HINGE		5BB1HW 4.5 X 4.5	IVE_0251
SCH	VANDL STOREROOM LOCK		ND96TD RHO	SCH_0048
SCH	ENTRANCE/OFFICE LOCK		AL50TD SAT	SCH_0004
SCH	CLASSROOM LOCK		AL70TD SAT	SCH_0004
SCH	PRIVACY LOCK		AL40S SAT	SCH_0004
VON	PANIC HARDWARE		99-EO-1439	VON_9899_006-VON_9899_041-VON_9899_007
VON	PANIC HARDWARE		9949-EO	VON_9899_032_B-VON_9899_033_B
SCH	RIM CYLINDER		20-057-ICX	SCH_CYL_FSIC
SCH	FSIC CORE		23-030	SCH_CYL_FSIC
IVE	LOCK GUARD		LG12	IVE_0164
IVE	DOOR PULL		VR910 NL	IVE_0225
IVE	DOOR PULL		VR910 DT	IVE_0225
IVE	PUSH PLATE		8200 6" X 16"	IVE_0127
IVE	PULL PLATE		8303 10" 6" X 16"	IVE_0128-IVE_5002
FAL	SURFACE CLOSER		SC71 SS	FAL_0066
FAL	SURFACE CLOSER		SC81 REG OR PA AS REQ	FAL_0067
LCN	SURF. AUTO OPERATOR		9542 MS	LCN_0014-LCN_5001
LCN	ACTUATOR, WALL MOUNT		8310-852T	LCN_0045
LCN	WEATHER RING		8310-802	LCN_0041-LCN_0045
IVE	KICK PLATE		8400 10" X 1" LDW B4E	IVE_0223
IVE	KICK PLATE		8400 10" X 1 1/2" LDW B4E	IVE_0223
IVE	FLOOR STOP		FS436	IVE_0227
NGP	SEALS		5050B	NGP_0050
NGP	ASTRAGAL		115NA	NGP_0072
NGP	DOOR SWEEP		100VA	NGP_0070
NGP	THRESHOLD		425	NGP_0014
NGP	THRESHOLD		896V	NGP_0019
IVE	SILENCER		SR64	IVE_0148
SCE	KEYSWITCH		653-04 L2	SCE_0108

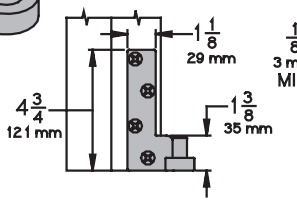
7215 & 7215F 3/4" Offset

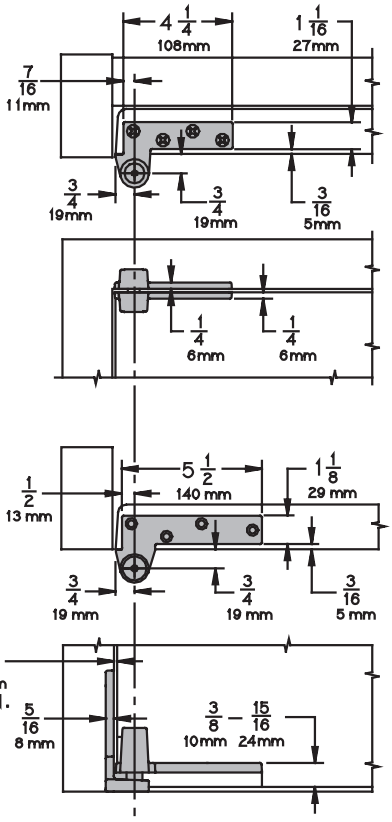
7215 or **7215F** Pivot Sets

- Handed 3/4" offset pivot set consisting of a jamb mounted 7215 or 7215F Bottom Pivot (handed) and a head frame mounted 7215 or 7215F Top Pivot, (non-handed).
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).
- Center Line Offset 3/4" (19mm) from face of door and 3/4" from edge of door.
- Maximum Load 500 pounds (227 kg).
- UL Listed
  7215 for 20 minute rated door.
  7215F for 3 hour rated door.
- 7215F meets ANSI/BHMA Grade 1.
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Optional Intermediate Pivot
  For 7215 set use 7215 Intermediate Pivot (handed).
  For 7215F set use 7215 Intermediate Pivot (handed).
  Each Intermediate Pivot carries up to an additional 100 pounds (45.5 kg) load or needed for doors over 7'. See page 42.
- Optional 7215 PT Power Transfer Intermediate Pivot (handed). Provides 4 wire transfer with no weight bearing capabilities. See page 48.









How to Order:

7215 ___ - ___ - ___ - ___

Rating:

Blank	Non-fire-rated
F	Fire-rated

Pivot Style:

Blank	Top and bottom set
TOP	Top pivot only
BTM	Bottom pivot only
INT	Intermediate pivot only
PT INT	Power transfer intermediate pivot only

Handing:

LH	Left-hand door
RH	Right-hand door

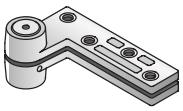
Finishes:

Non-Fire-Rated	US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313, SPBLK
Fire-Rated	US3, US10, US32, US32D, SP4, SP10, SP28, SP313, SPBLK

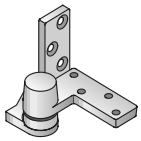
7200 Series Pivots - Overview

3/4" Offset Pivots - 200 Lb. Doors

7212-7215-7222-7226-7227 Top Pivot

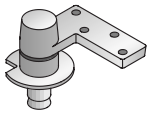


7212 PIVOT SET



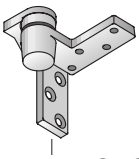
7212
Bottom Pivot

7222 PIVOT SET

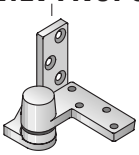


7222
Bottom Pivot

7212V Top Pivot

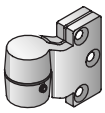


7212V PIVOT SET



7212
Bottom Pivot

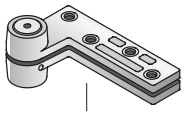
Optional



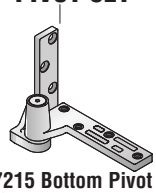
7212-7212V-7222
Intermediate Pivot

3/4" Offset Pivots - Standard and Fire-Rated - 500 to 700 Lb. Doors

7212-7215-7222-7226-7227 Top Pivot
7215F-7226F-7227F Top Pivot

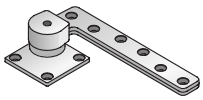


7215 OR 7215F PIVOT SET



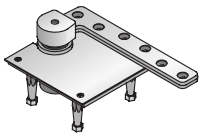
7215 Bottom Pivot
7215F Bottom Pivot

7226 OR 7226F PIVOT SET



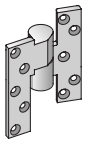
7226-Bottom Pivot
7226F-Bottom Pivot

7227 OR 7227F PIVOT SET

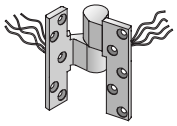


7227-7227F-Bottom Pivot

Optional



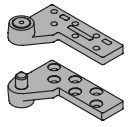
7215-7226-7227
Intermediate Pivot
7215F-7226F-7227F
Intermediate Pivot



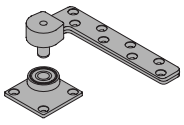
7215-7226-7227PT
Power Transfer
Intermediate Pivot

3/4" Offset Pivots - Fire-Rated - 1000 to 1750 Lb. Doors

7230F-7237F Top Pivot

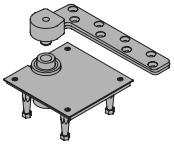


7230F PIVOT SET



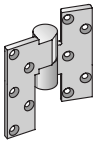
7230F
Bottom Pivot

7237F PIVOT SET



7237F
Bottom Pivot

Optional

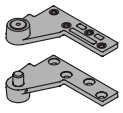


7230F-7237F
Intermediate Pivot

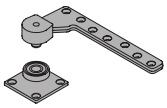
7200 Series Pivots - Overview

1-1/2" Offset Pivots - Fire-Rated - 400 to 500 Lb. Doors

7244F-7245F
Top Pivot

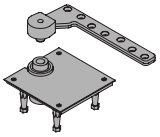


7244F PIVOT SET



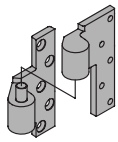
7244F
Bottom Pivot

7245F PIVOT SET



7245F
Bottom Pivot

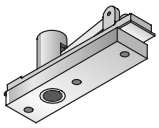
Optional



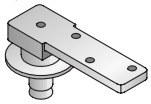
7244F-7245F
Intermediate Pivot

Center Hung Pivots - 300 to 600 Lb. Doors

7253-7255-7255J-7256 Top Pivot

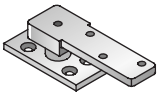


7253 PIVOT SET



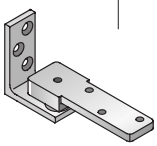
7253
Bottom Pivot

7255 PIVOT SET



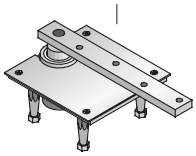
7255
Bottom Pivot

7255J PIVOT SET



7255J
Bottom Pivot

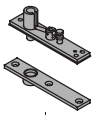
7256 PIVOT SET



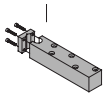
7256
Bottom Pivot

Center Hung Pivots - 1000 Lb. Doors

7259 Top Pivot



7259 PIVOT SET

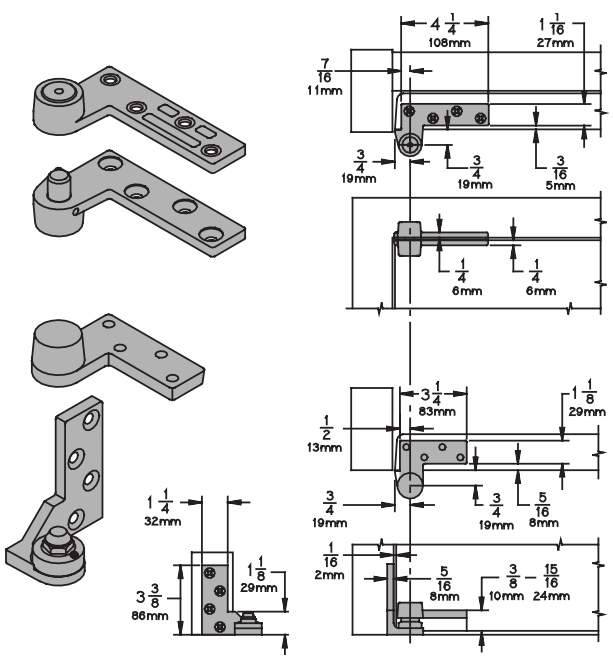


7259
Bottom Pivot

7200 Series Pivot Selection Chart

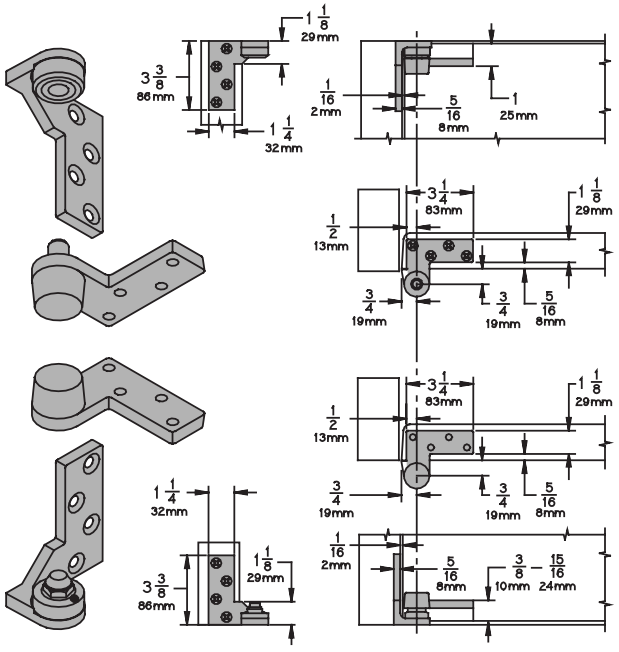
Pivot Set	UL Rating	Top Pivot	Bottom Pivot	Bottom Pivot Mounting	Recommended Intermediate Pivot	3/4" Offset	1-1/2" Offset	Center Hung	Max Door Weight	Handed
7212	None	7212-7215-7222-7226-7227 TOP	7212 BTM	Jamb Mounted	7212-7212V-7222 INT	Yes			200	Yes
7212V	None	7212V TOP	7212 BTM	Jamb Mounted	7212-7212V-7222 INT	Yes			200	Yes
7215	20 min	7212-7215-7222-7226-7227 TOP	7215 BTM	Jamb Mounted	7215-7226-7227 INT	Yes			500	Yes
7215F	3 hr	7215F-7226F-7227F TOP	7215F BTM	Jamb Mounted	7215F-7226F-7227F INT	Yes			500	Yes
7222	None	7212-7215-7222-7226-7227 TOP	7222 BTM	Floor Mounted	7212-7212V-7222 INT	Yes			200	Yes
7226	20 min	7212-7215-7222-7226-7227 TOP	7226 BTM	Floor Mounted	7215-7226-7227 INT	Yes			600	No
7226F	3 hr	7215F-7226F-7227F TOP	7226F BTM	Floor Mounted	7215F-7226F-7227F INT	Yes			600	No
7227	20 min	7212-7215-7222-7226-7227 TOP	7227 BTM	Mortised Cement Case	7215-7226-7227 INT	Yes			700	No
7227F	3 hr	7215F-7226F-7227F TOP	7227 BTM	Mortised Cement Case	7215F-7226F-7227F INT	Yes			700	No
7230F	3 hr	7230F-7237F TOP	7230F BTM	Floor Mounted	7230F-7237F INT	Yes			1000	No
7237F	3 hr	7230F-7237F TOP	7237F BTM	Mortised Cement Case	7230F-7237F INT	Yes			1750	No
7244F	3 hr	7244F-7245F TOP	7244F BTM	Floor Mounted	7244F-7245F INT		Yes		400	No
7245F	3 hr	7244F-7245F TOP	7245F BTM	Mortised Cement Case	7244F-7245F INT		Yes		500	No
7253	None	7253-7255-7255J-7256 TOP	7253 BTM	Floor Mounted	None			Yes	300	No
7255	None	7253-7255-7255J-7256 TOP	7255 BTM	Floor Mounted	None			Yes	500	No
7255J	None	7253-7255-7255J-7256 TOP	7255J BTM	Jamb Mounted	None			Yes	500	No
7256	None	7253-7255-7255J-7256 TOP	7256 BTM	Mortised Cement Case	None			Yes	600	No
7259	None	7259 TOP	7259 BTM	Mortised Cement Case	None			Yes	1000	No

7212 & 7212V 3/4" Offset



7212 Pivot Set

- Handed 3/4" offset pivot set consisting of a jamb mounted 7212 Bottom Pivot (handed), and a head frame mounted 7212 Top Pivot (non-handed).
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).
- Center Line Offset 3/4" (19mm) from face of door and 3/4" from edge of door.
- Maximum Load 200 pounds (91 kg).
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Optional 7212 Intermediate Pivot (handed) carries up to an additional 100 pounds (45.5 kg) load or needed for doors over 7'. See page B14.



7212V Pivot Set

- Handed 3/4" offset pivot set consisting of a jamb mounted 7212 Bottom Pivot (handed), and a jamb mounted 7212V Top Pivot (handed).
- Door Thickness minimum 1-3/4" (44mm), bevel 1/8" (3mm) in 2" (51mm).
- Center Line Offset 3/4" (19mm) from face of door and 3/4" from edge of door.
- Maximum Load 200 pounds (91 kg).
- Vertical Adjustment Range of 3/16" (5mm), which includes a positive locking feature.
- Optional 7212 intermediate Pivot (handed) carries up to an additional 100 pounds (45.5 kg) load or needed for doors over 7'. See page B14.

How to Order: 7212 ___ - ___ - ___ - _____

Mounting Type:
- **Blank** Head frame mounted to pivot
- **V** Jamb mounted top pivot

Pivot Style:
- **Blank** Top and bottom set
- **TOP** Top pivot only
- **BTM** Bottom pivot only
- **INT** Intermediate pivot

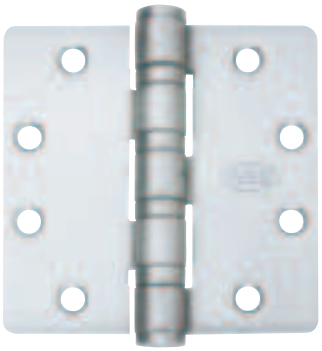
Handing:
- **LH** Left-hand door
- **RH** Right-hand door

Finishes:
US3, US4, US10, US10B, US26, US26D, SP4, SP10, SP28, SP313, SPBLK

Full Mortise Hinges - 5 Knuckle

5BB1HWRC

5 Knuckle, Ball Bearing,
Heavy Weight, Round Corner



4 BALL BEARING • HIGH FREQUENCY • HEAVY WEIGHT

For use on Heavy Weight Doors or High Frequency Usage

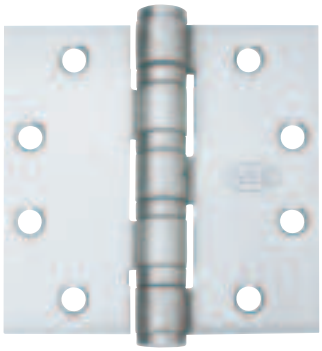
5BB1HW Steel with steel pin
5BB1HW Brass with stainless steel pin
5BB1HW Stainless steel with stainless steel pin (630 finish only)
NRP = Non-Removable Pin

- Dimensions & tolerances conform to ANSI - A156.7
- 1/4" radius
- 5BB1HW Steel description conforms to ANSI - A8111
- 5BB1HW Brass description conforms to ANSI - A2111
- 5BB1HW Stainless description conforms to ANSI - A5111
- Packed with wood and machine screws

Size (Inches)	Size (mm)	Gauge
4.5 x 4	114 x 102	0.180

5BB1HW

5 Knuckle, Ball Bearing,
Heavy Weight



4 BALL BEARING • HIGH FREQUENCY • HEAVY WEIGHT

For use on Heavy Weight Doors or High Frequency Usage

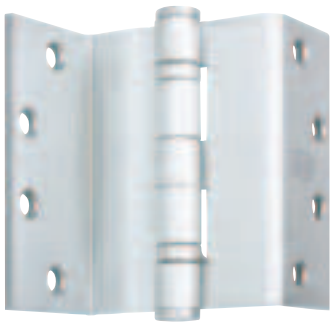
5BB1HW Steel with steel pin
5BB1HW Brass with stainless steel pin
5BB1HW Stainless steel with stainless steel pin (630 finish only)
NRP = Non-Removable Pin

- Dimensions & tolerances conform to ANSI - A156.7
- 5BB1HW Steel description conforms to ANSI - A8111
- 5BB1HW Brass description conforms to ANSI - A2111
- 5BB1HW Stainless description conforms to ANSI - A5111
- Packed with wood and machine screws

Size (Inches)	Size (mm)	Gauge
4.5 x 4	114 x 102	0.180
4.5 x 4.5	114 x 114	0.180
4.5 x 5	114 x 127	0.190
5 x 5	127 x 127	0.190

5BB1SC

5 Knuckle, Ball Bearing,
Swing Clear



2 BALL BEARING • MEDIUM FREQUENCY
STANDARD WEIGHT • SWING CLEAR

Designed to completely clear the opening when door is opened 92 degrees.
Pins and tips are reversible.

5BB1SC Steel with steel pin

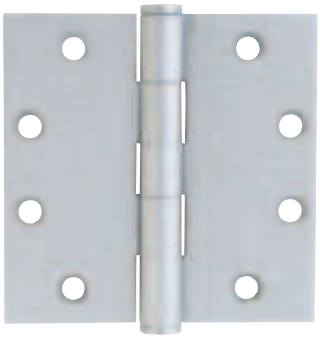
- Dimensions & tolerances conform to ANSI - A156.7
- 5BB1SC Steel Description conforms to ANSI - A8122
- Packed with flat head wood and machine screws

Size (Inches)	Size (mm)	Gauge
4.5	114	0.134
5	127	0.134

Full Mortise Hinges - 5 Knuckle

5PB1

5 Knuckle, Plain Bearing



PLAIN BEARING • LOW FREQUENCY • STANDARD WEIGHT

For use on Standard Weight Doors with Low Frequency Usage, not intended for use with door closing devices.

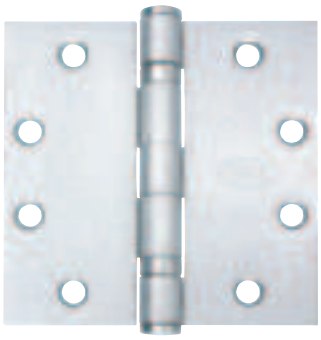
5PB1 Steel with steel pin
5PB1 Brass with stainless steel pin
5PB1 Stainless steel with stainless steel pin (630 finish)
NRP = Non-Removable Pin

- Dimensions & tolerances conform to ANSI - A156.7
- Packed with wood and machine screws
- 5PB1 Steel description conforms to ANSI - A8133
- 5PB1 Brass conforms to ANSI - A2133
- 5PB1 Stainless Steel description conforms to ANSI - A5133

Size (Inches)	Size (mm)	Gauge
3.5 x 3.5	89 x 89	0.123
4.5 x 4	114 x 102	0.134
4.5 x 4.5	114 x 114	0.134

5BB1

5 Knuckle, Ball Bearing



2 BALL BEARING • MEDIUM FREQUENCY • STANDARD WEIGHT

For use on Standard Weight Doors with Medium Frequency Usage

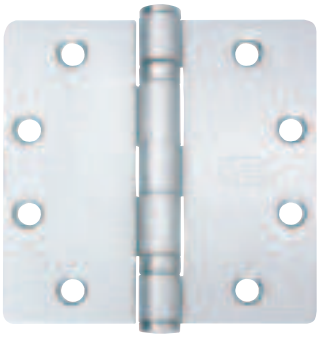
5BB1 Steel with steel pin
5BB1 Brass with stainless steel pin
5BB1 Stainless steel with stainless steel pin (630 finish only)
NRP = Non-Removable Pin

- Dimensions & tolerances conform to ANSI - A156.7
- 5BB1 Steel description conforms to ANSI - A8112
- 5BB1 Brass conforms to ANSI - A2112
- 5BB1 Stainless description conforms to ANSI - A5112
- Packed with wood and machine screws

Size (Inches)	Size (mm)	Gauge
4 x 4	102 x 102	0.130
4.5 x 4	114 x 102	0.134
4.5 x 4.5	114 x 114	0.134
4.5 x 5	114 x 127	0.146
5 x 4.5	127 x 114	0.146

5BB1RC

5 Knuckle, Ball Bearing, Round Corner



2 BALL BEARING • MEDIUM FREQUENCY • STANDARD WEIGHT

For use on Standard Weight Doors with Medium Frequency Usage

5BB1 Steel with steel pin
NRP = Non-Removable Pin

- Dimensions & tolerances conform to ANSI - A156.7
- 1/4" radius
- 5BB1 Steel description conforms to ANSI - A8112
- Packed with wood and machine screws

Size (Inches)	Size (mm)	Gauge
3.5 x 3.5	89 x 89	0.123
4.5 x 4	114 x 102	0.134

AL-Series

Dependable performance for high traffic commercial applications.

At Schlage we know that every product you specify has to stand up to constant use, while meeting your needs for security at every level. Our AL-Series locks are designed to deliver ADA compliant accessibility and constant, reliable performance. The AL-Series is best for buildings with medium to high traffic flow, such as interior office doors, banks, retail spaces and hotel guest areas. With a Grade 2 ANSI rating, and styles and finishes to suit your building's design, the AL-Series fits right where you need it.

Pictured here: Jupiter lever shown in 626 Satin Chrome

We don't compromise on security.

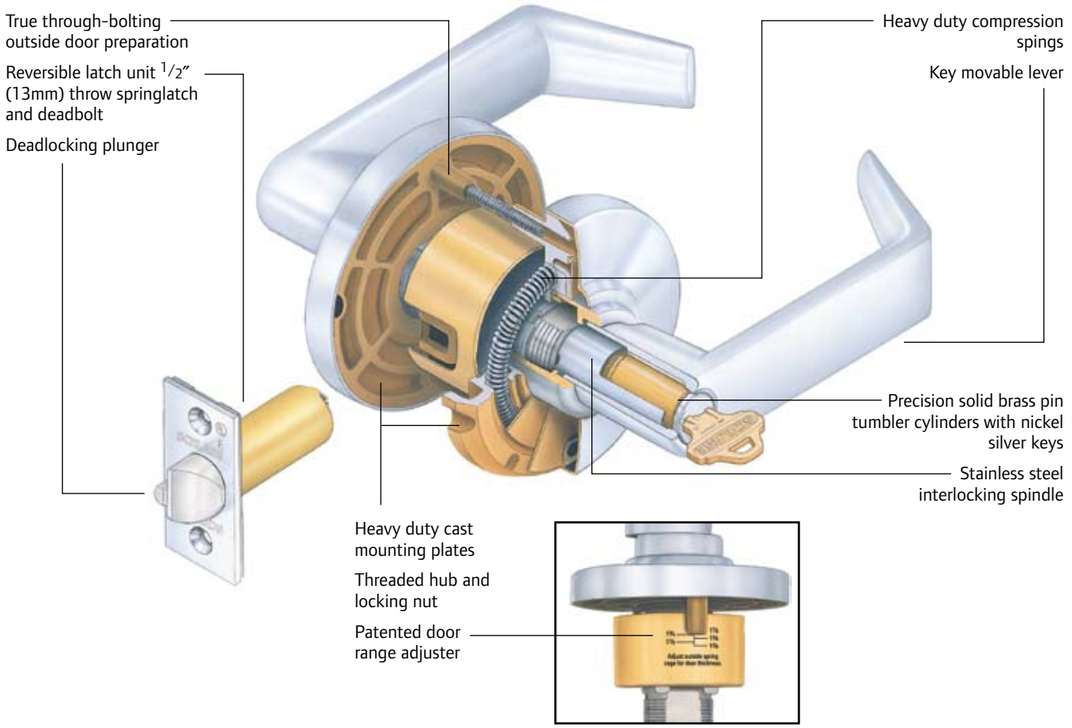
The safety and security of your clients' buildings is something we take very seriously. That's why every Schlage lock and deadbolt undergoes intensive testing to determine its ANSI grade level:

- Cycle tests
- Door impact tests
- Bolt strength tests
- Resistance tests
- Warped door tests

We pay attention to these details so you can focus on creating a functional and aesthetically pleasing environment for your clients. In fact, every one of our AL-Series locks meets ANSI Grade 2 standards for safety.

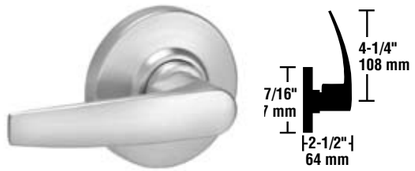
The lever that looks as good as it performs.

- Cold-rolled steel, machined and threaded hubs, and locking nuts prevent loosening of the lockset by securely bolting chassis to the door
- Large diameter of mounting plate and rose covers new ANSI hollow metal door cutout
- Patented door range adjuster allows quick and easy adjustment for doors ranging from 1 3/8" to 1 7/8" (35 mm to 48 mm) thick


True through-bolting outside door preparation
Reversible latch unit 1/2" (13mm) throw springlatch and deadbolt
Deadlocking plunger
Heavy duty compression spings
Key movable lever
Precision solid brass pin tumbler cylinders with nickel silver keys
Stainless steel interlocking spindle
Heavy duty cast mounting plates
Threaded hub and locking nut
Patented door range adjuster

AL Series Lever Designs

Jupiter



Symbol: JUP

Material: Pressure cast zinc lever; wrought brass or bronze rose

Matches: S-Series **JUPITER**, ND-Series **ATHENS** and L-Series **07** designs

Watch for interchangeable cores to be introduced on Jupiter and Neptune levers in 2009

Neptune

Symbol: NEP

Material: Pressure cast zinc lever; wrought brass or bronze rose

Matches: S-Series **NEPTUNE**, ND-Series **SPARTA** and L-Series **17** designs

Omega

Symbol: OME

Material: Pressure cast zinc lever; wrought brass or bronze rose

Matches: ND-Series **OMEGA** and L-Series **OMEGA** designs

Saturn

Symbol: SAT

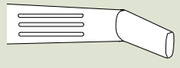
Material: Pressure cast zinc lever; wrought brass or bronze rose

Matches: S-Series **SATURN**, H-Series **LEVON**, ND-Series **RHODES** and L-Series **06** designs

Options: **Tactile Warning**

Tactile Warning

Milled



Order as follows:
85A for Saturn

Only available on outside lever, unless otherwise specified

All designs shown in 626 Satin Chrome

- = Standard cylinder.
- = FSIC - Full size interchangeable core option.
- = SFIC - Small format interchangeable core option.
- = Complies with ADA Accessibility Guidelines.
- = Antimicrobial coating available on 626 finish only.
- = Meets California code for 1/2" or less return to the door.
- = Extended factory lead time.

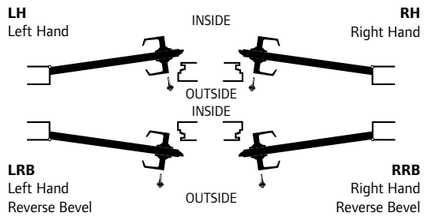
Lever Finishes

	605 Bright Brass	606 Satin Brass	609 Antique Brass	612 Satin Bronze	613 Oil Rubbed Bronze	619 Satin Nickel	625 Bright Chromium Plated	626 Satin Chromium Plated	626AM Antimicrobial Coating	643e Aged Bronze
AL SERIES LOCKS										**NEW IN 2009**
Jupiter	•	•		•	•	•	•	•	•	•
Neptune	•	•	•	•	•	•	•	•	•	•
Omega	•	•	•	•	•	•	•	•	•	•
Saturn	•	•	•	•	•	•	•	•	•	•

e = an equivalent finish to the BHMA standard.

Door Handing

All Schlage locks are reversible. Hand information is necessary to ensure proper cylinder orientation in keyed functions, and finish of latchbolt and strike for locks that are to be installed on reverse bevel doors. Follow the diagram to correctly determine the hand of the door.



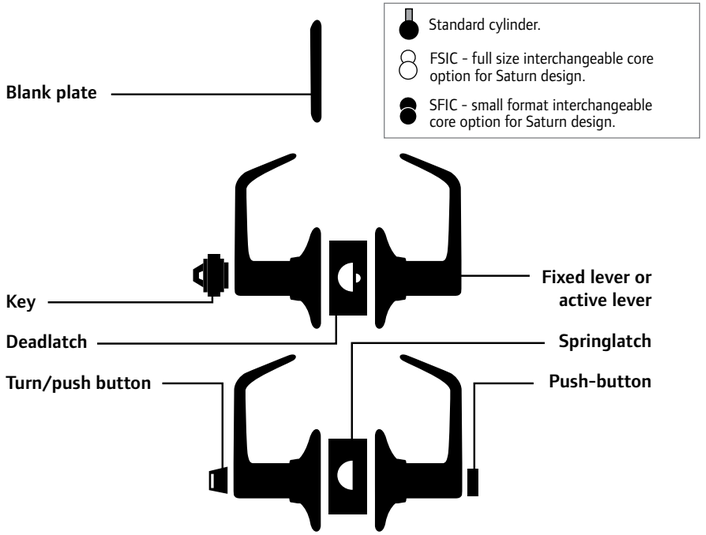
ADA-Compliant Products

In compliance with the American National Standards Institute (ANSI A117.1) and the Americans with Disabilities Act (ADA), Schlage Lock Company offers a wide selection of locks designed for the needs of the physically challenged. This act is designed to provide protection for people with disabilities.

The intent of ADA is that owners of certain types of buildings must remove barriers and provide people with disabilities with access equal to, or similar to, that available to the general public.

Product information and specifications contained in this catalog are subject to change without notice. Please consult the factory.

Lock Functions | **ANSI A156.2 Series 4000 Grade 2**

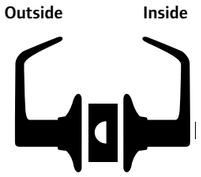


Non-Keyed Functions

SCHLAGE ANSI
AL10S **F75**

Passage Latch

- Both levers always unlocked.
- Inside lever always free for immediate egress.



SCHLAGE ANSI
AL25D -

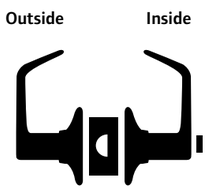
Exit Lock

- Blank plate outside.
- Inside lever always unlocked.
- Inside lever always free for immediate egress.
- Specify door thickness.

SCHLAGE ANSI
AL40S **F76**

Bath/Bedroom Privacy Lock

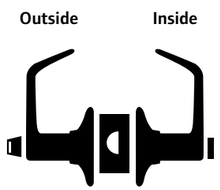
- Push-button locking.
- Can be unlocked from outside with small screwdriver.
- Turn inside lever or close door to release button.
- Inside lever always free for immediate egress.



SCHLAGE ANSI
AL44S -

Hospital Privacy Lock

- Push-button locking.
- Unlock from outside by turning emergency turn-button.
- Turn inside lever or close door to release button.
- Inside lever always free for immediate egress.



Lock Functions | **ANSI A156.2 Series 4000 Grade 2**

Keyed Functions

SCHLAGE ANSI
AL170 -

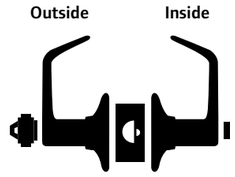
Single Dummy Trim

- Single dummy trim for one side of door.
- Used for door pull or as matching inactive trim.

SCHLAGE ANSI
AL50PD **F82**

Entrance/Office Lock

- Push-button locking.
- Push-button locks outside lever until it is unlocked with a key or by rotating the inside lever.
- Inside lever always free for immediate egress.

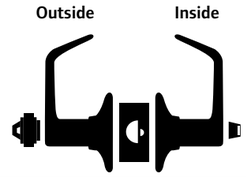


SAT

SCHLAGE ANSI
AL53PD **F109**

Entrance Lock

- Turn/push-button locking: Pushing and turning button locks outside lever, requiring use of a key until the button is manually unlocked.
- Push-button locking: Push-button locks the outside lever until it is unlocked by key or by turning the inside lever.
- Inside lever always free for immediate egress.

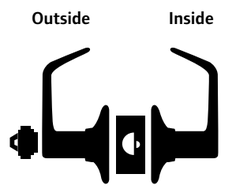


SAT

SCHLAGE ANSI
AL70PD **F84**

Classroom Lock

- Outside lever is locked and unlocked by key.
- Inside lever is always unlocked.
- Inside lever always free for immediate egress.

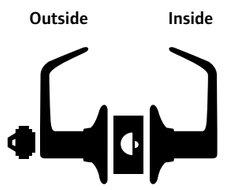


SAT

SCHLAGE ANSI
AL80PD **F86**

Storeroom Lock

- Outside lever is fixed.
- Entrance by key only.
- Inside lever is always unlocked.
- Inside lever always free for immediate egress.

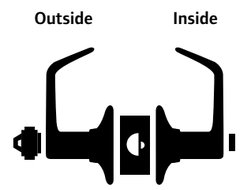


SAT

SCHLAGE ANSI
AL85PD **F93**

Faculty Restroom Lock (with Indicator Cylinder)

- Outside lever is fixed.
- Entrance by key only.
- Push button on inside lever activates visual occupancy indicator, allowing only the emergency masterkey to operate.
- Rotate inside lever or close door to release visual occupancy indicator.
- Rotation of inside spanner button provides lockout feature by keeping indicator thrown.
- Inside lever always free for immediate egress.



Specifications

Handing:
Non-handed.

Door Thickness:
1 3/8″ to 1 7/8″ (35 mm to 48 mm) standard.
2″ (51 mm) optional.

Backset:
2 3/4″ (70 mm) standard. 2 3/8″ (60 mm), 3 3/4″ (95 mm) and 5″ (127 mm) optional.

Front:
Steel. 2 1/4″ x 1 1/8″ square corner, beveled, for 2 3/4″ backset standard. Optional 1″ square corner, 1″ radius corner, and non-UL drive-in / round face. For availability with specific backsets, see page 16.

Lock Chassis:
Steel, zinc dichromated for corrosion resistance

Latch Bolt:
Brass, chrome plated, 1/2″ throw, deadlocking on keyed and exterior functions.

Exposed Trim:
Wrought brass and bronze. Levers are pressure cast zinc, plated to match finish symbols.

Strike:
ANSI curved lip strike 4 7/8″ x 1 1/4″ x 1 1/4″ lip to center standard. Optional strikes, lip lengths and ANSI wrought strike box available. See page 17.

Cylinder & Keys:
6-pin patented Everest C123 keyway standard with two nickel silver keys per lock.

Keying Options:
Interchangeable core and Primus® high security cylinders. Master keying, grand master keying, and construction keying.

Warranty:
Three-year limited.

Certifications

ANSI:
Meets or exceeds A156.2 Series 4000, Grade 2 strength and operational requirements.

Meets A117.1 Accessibility Code.

Federal:

Meets FF-H-106C.

California State Reference Code:
(Formerly Title 19, California State Fire Marshal Standard)

All levers with returns comply; levers return to within 1/2″ of door face.

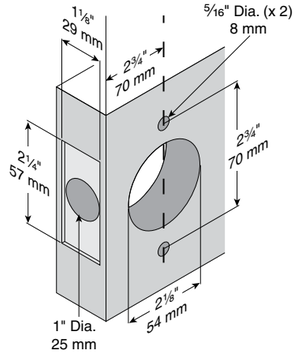
UL / cUL:
All locks listed for A label single doors, 4′ x 8′.

Letter F and UL symbol on latch front indicate listing.

UL437 Listed locking cylinder optional: specify Primus 20-500 Series cylinder.

ADA Compliant:
Schlage Lock Company offers a wide selection of locks designed to meet the Americans With Disabilities Act.

Door Preparation



Ordering Guidelines

To order Schlage products, descriptive data should be in the same sequence as shown.

Line Item	Qty	Products	Outside		Inside		Latch	Strike	Thk	DR Dim	Additional Details
			Des	Fin	Des	Fin					
1	2	3	4	5	6	7	8	9	10	11	12

1 Line item number
2 Quantity
3 Complete model number with function and cylinder type.

To order cylinder options, change "PD" at the end of the model number as follows:

AL53**PD** Standard
AL53**LD** Less standard cylinder (For Primus cylinder, specify this option and order Primus cylinder separately.)

AL53**JD** Prepared for full size interchangeable core, less core (For Primus core, specify this option & order Primus core separately.)
AL53**RD** With full size conventional interchangeable core installed. Order control keys separately.
AL53**RD** With full size (temporary) construction core installed. Order control keys separately.

AL53**BD** Prepared for small format (Falcon, Best, etc.) interchangeable core (SFIC)
AL53**GD** With Everest B Family restricted keyway small format core installed. Order control keys separately.
AL53**HD** With small format keyed brass construction core installed. Order control keys separately.

AL53B**DC** With small format disposable plastic construction core installed.

4/5 Outside design / finish. Specify tactile warning (knurling) here as "8SA", available on Saturn only.
6/7 Inside design / finish. Leave blank if same as outside.
8 Latch. Leave blank for standard or specify part number for optional latch. LLL=Less Latch.
9 Strike. Leave blank for standard or specify part number for optional strike. LLL=Less Strike.
10 Door thickness, if non-standard. Example: 200 = 2″.
11 Dimension for strike lip lengths. See pricebook for availability of specific dimensions with specific strikes.
12 Keying detail (e.g. key symbol, keyway, bitting) and other special requirements.

Example

Line Item	Qty	Products	Outside		Inside		Latch	Strike	Thk	DR Dim	Additional Details
			Des	Fin	Des	Fin					
1	24	AL10S	NEP	605				10-001			
2	5	AL50RD	SAT	613					200		C145 245793
3	60	AL85PD	JUP	626			11-085				E 000000

Note: Schlage order forms are available at no charge by contacting your sales representative or visit schlage.com.

ND-Series

The toughest cylindrical lock for heavy-duty commercial applications.

At Schlage we know that every product you specify has to stand up to constant use and abuse without compromising security. The ND-Series gets the job done with tough, dependable ANSI Grade 1 locks designed for use in schools, hospitals, offices, retail spaces, and colleges and universities. Built for heavy duty applications, ND-Series locks are easy to service and maintain, are available with our exclusive Vandlgard® technology, and offer a wide range of styles and finishes to fit your project needs.

Pictured here: Sparta lever shown in 626 Satin Chrome

We don't compromise on security.

The safety and security of your clients' buildings is something we take very seriously. That's why every Schlage lock and deadbolt undergoes intensive testing to determine its ANSI grade level:

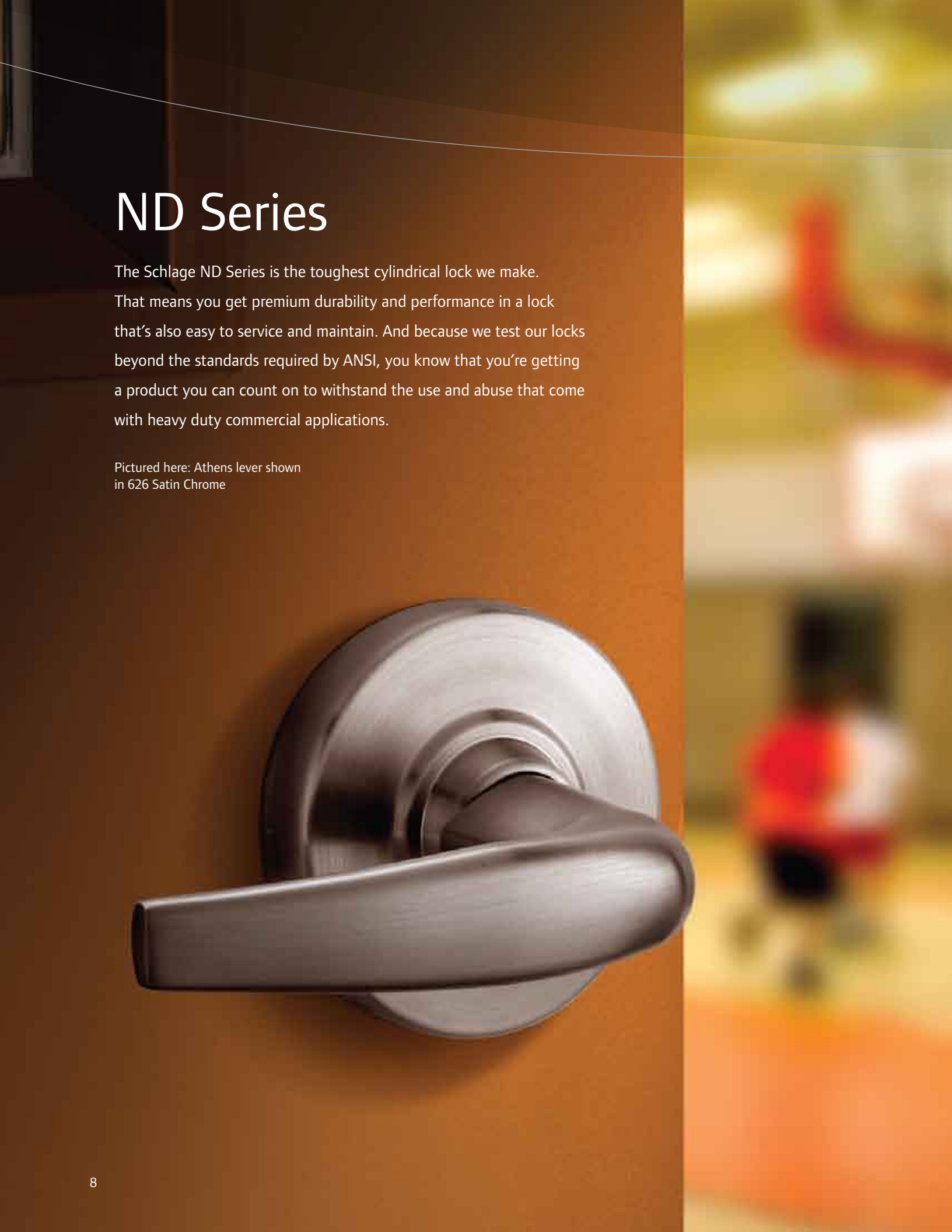
- Cycle tests
- Door impact tests
- Bolt strength tests
- Resistance tests
- Warped door tests

We pay attention to these details so you can focus on creating a functional and aesthetically pleasing environment for your clients. In fact, every one of our ND-Series locks meets ANSI Grade 1 standards for safety.

ND Series

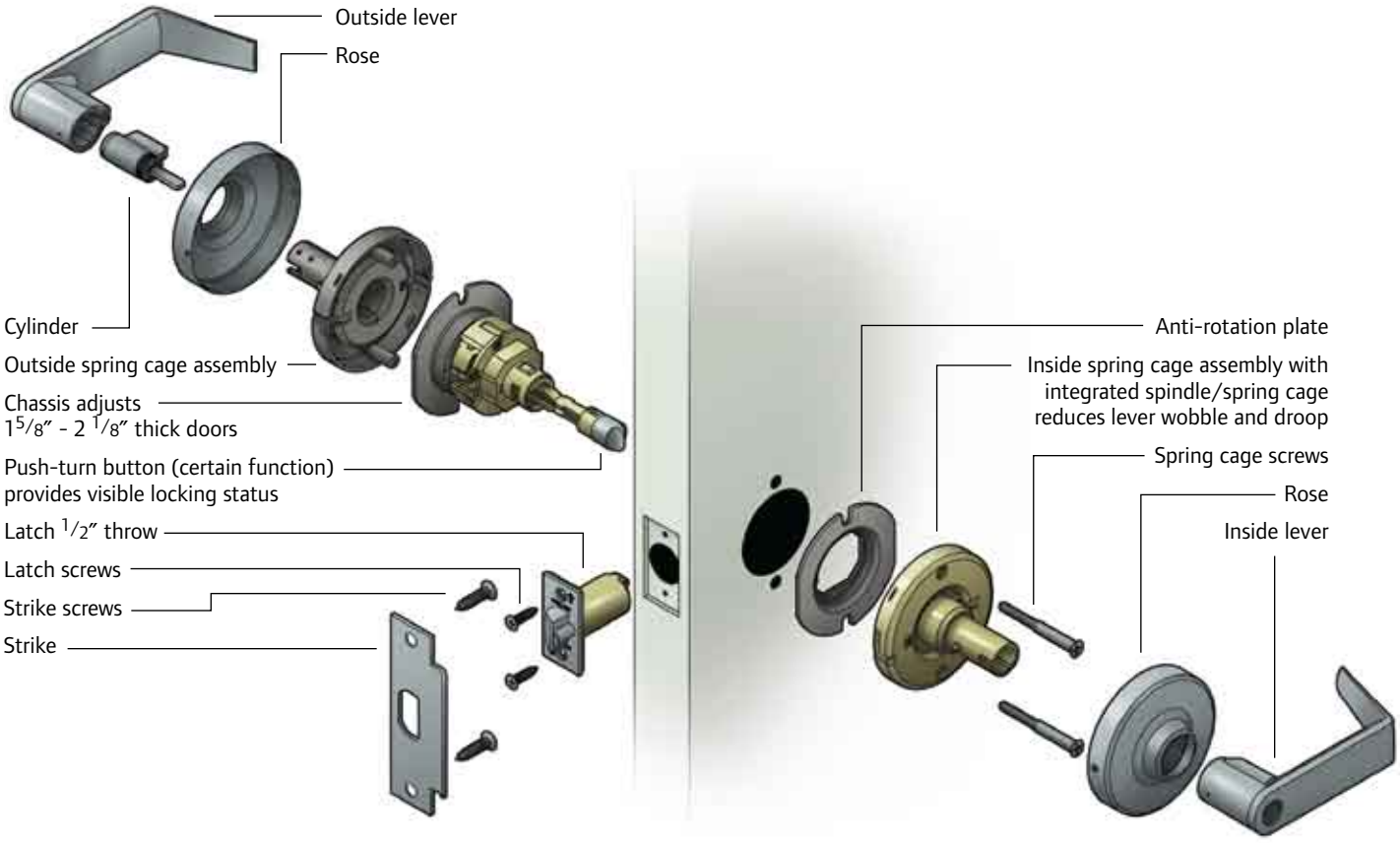
The Schlage ND Series is the toughest cylindrical lock we make. That means you get premium durability and performance in a lock that's also easy to service and maintain. And because we test our locks beyond the standards required by ANSI, you know that you're getting a product you can count on to withstand the use and abuse that come with heavy duty commercial applications.

Pictured here: Athens lever shown in 626 Satin Chrome



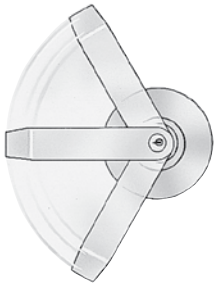
Built to perform without fail.

- Tested to at least four times the 800,000-cycle ANSI Grade 1 requirement
- Exceeds ANSI A156.2, Series 4000 Grade 1 locked lever torque requirements
- The only cylindrical lock available with our exclusive Vandlgard® technology



ND-Series with Vandlgard

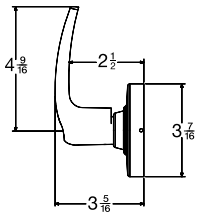
The ND-Series Vandlgard is ideal for areas subject to abuse or anywhere vandalism is likely to be present, such as schools, universities, offices and commercial/public buildings. Vandlgard prevents damage to internal lock components caused by excessive force from hitting or standing on the lever to gain access. Vandlgard functions maintain total key system and architectural design compatibility with Schlage's regular ND-Series cylindrical locks.



Locked lever freely rotates up and down while remaining securely locked. The Vandlgard function also increases resistance to over-rotation of the lever.

Lever Designs

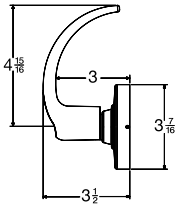
Athens



Symbol: ATH (L-Series 07)

Material: Pressure cast zinc lever; wrought brass rose

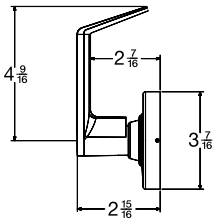
Sparta



Symbol: SPA (L-Series 17)

Material: Pressure cast zinc lever; wrought brass rose

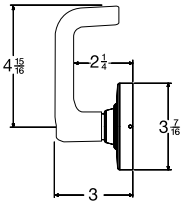
Rhodes



Symbol: RHO (L-Series 06)

Material: Pressure cast zinc lever; wrought brass rose

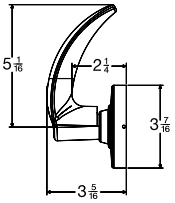
Tubular



Symbol: TLR (L-Series 03)

Material: Pressure cast zinc lever; wrought brass rose

Omega

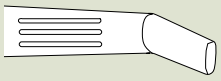


Symbol: OME (L-Series Omega)

Material: Pressure cast zinc lever; wrought brass rose

Tactile Warning

Milled



Order as follows:
8AT for Athens
8RO for Rhodes
8SP for Sparta

Knurled

Order as follows:
8TR for Tubular

Only available on outside lever, unless otherwise specified

All designs shown in 626 Satin Chrome

= Standard cylinder.

= FSIC - Full size interchangeable core option.

= SFIC - Small format interchangeable core option.

= Complies with ADA Accessibility Guidelines.

= Antimicrobial coating available on 626 finish only.

= Meets California code for 1/2" or less return to the door.

= Extended factory lead time.

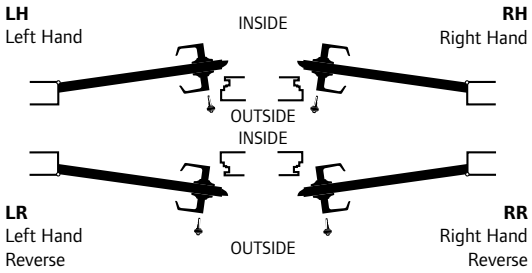
Lever Finishes

	605 Bright Brass	606 Satin Brass	612 Satin Bronze	613 Oil Rubbed Bronze	619 Satin Nickel	625 Bright Chromium Plated	626 Satin Chromium Plated	643e Aged Bronze
ND SERIES LOCKS								**NEW IN 2009**
Athens	•	•	•	•	•	•	•	•
Omega	•	•	•	•	•	•	•	•
Rhodes	•	•	•	•	•	•	•	•
Sparta	•	•	•	•	•	•	•	•
Tubular	•	•	•	•	•	•	•	•

e = an equivilent finish to the BHMA standard.

Door Handing

All ND levers are reversible. Hand information is necessary to ensure proper cylinder orientation in keyed functions, and finish of latchbolt and strike for locks that are to be installed on reverse bevel doors. Follow the diagram to correctly determine the hand of the door.



ADA-Compliant Products

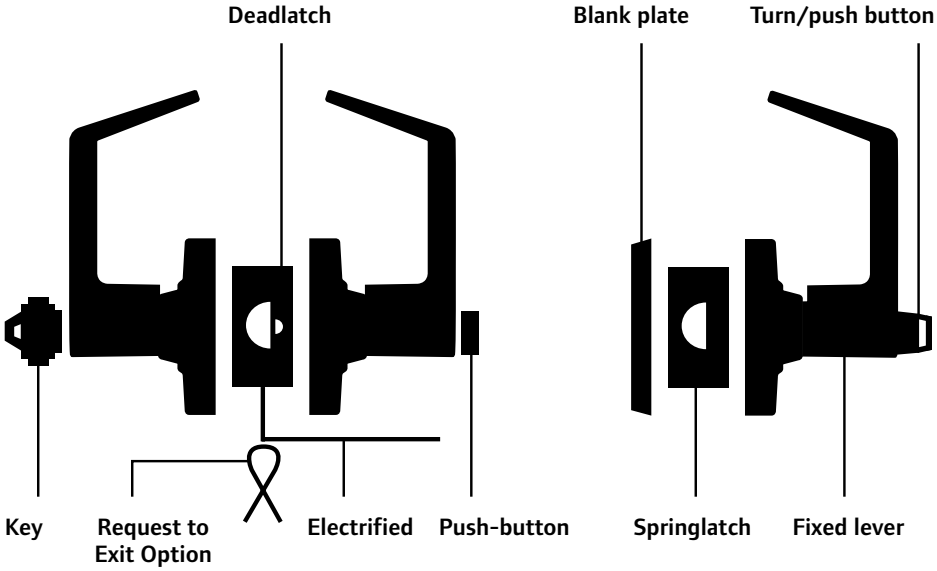
In compliance with the American National Standards Institute (ANSI A117.1) and the Americans with Disabilities Act (ADA), Schlage Lock Company offers a wide selection of locks designed for the needs of the physically challenged. This act is designed to provide protection for people with disabilities.

The intent of ADA is that owners of certain types of buildings must remove barriers and provide people with disabilities with access equal to, or similar to, that available to the general public.

Product information and specifications contained in this catalog are subject to change without notice. Please consult the factory.

Lock Functions | ANSI A156.2 Series 4000 Grade 1

Non-Keyed Locks

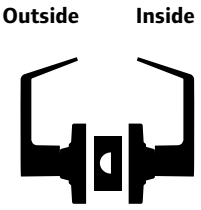


SCHLAGE ANSI

ND10S **F75**

Passage Latch

- Both levers always unlocked.

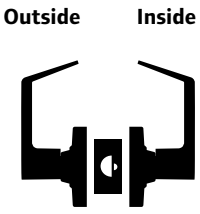


SCHLAGE ANSI

ND12D **F89**

Exit Lock

- Outside lever always fixed.
- Inside lever always unlocked.

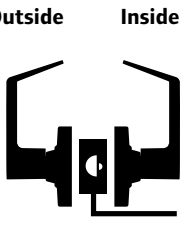


SCHLAGE ANSI

ND12DEL -

Electrically Locked (Fail Safe)

- Outside lever continuously locked electrically.
- Unlocked by switch or power failure.
- Auxiliary latch deadlocks latchbolt when door is closed.
- Inside lever always free for immediate exit.

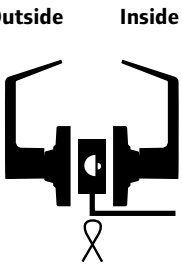


SCHLAGE ANSI

ND12DEU -

Electrically Unlocked (Fail Secure)

- Outside lever continuously locked until unlocked by electric current.
- Auxiliary latch deadlocks latchbolt when door is closed.
- Inside lever is always free for immediate exit.

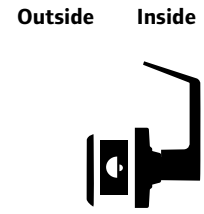


SCHLAGE ANSI

ND25D -

Exit Lock

- Blank plate outside.
- Inside lever always unlocked.



Standard cylinder.

Safe School Locks.

FSIC - full size interchangeable core option.

SFIC - small format interchangeable core option.

† **Caution:**
Double cylinder locks are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

Keyed Locks

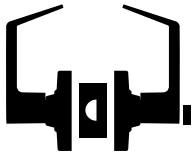
SCHLAGE ANSI

ND40S **F76**

Bath/Bedroom Privacy Lock

- Push-button locking.
- Can be opened from outside with a small screwdriver.
- Turn inside lever or close door to release button.

Outside **Inside**



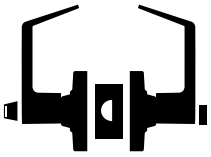
SCHLAGE ANSI

ND44S **-**

Hospital Privacy Lock

- Push-button locking.
- Unlocked from outside by turning emergency turn-button.
- Turn inside lever or close door to release button.

Outside **Inside**



SCHLAGE ANSI

ND170

Single Dummy Trim

- Dummy trim for one side of door.
- Used for door pull or as matching inactive trim.

Outside/Inside

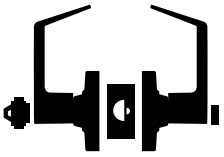
SCHLAGE ANSI

ND50PD **F82**

Entrance/Office Lock

- Push-button locking.
- Push-button locks outside lever until it is unlocked with key or by turning inside lever.

Outside **Inside**



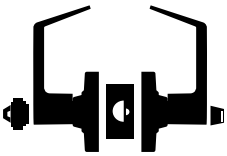
SCHLAGE ANSI

ND53PD **F109**

Entrance Lock

- Turn/push-button locking: Pushing and turning the button locks the outside lever, requiring use of a key until the button is manually unlocked.
- Push-button locking: Pushing button locks outside lever until unlocked by key or by turning the inside lever.

Outside **Inside**



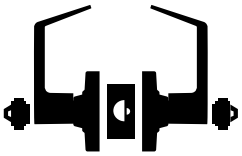
SCHLAGE ANSI

ND60PD **F88**

Vestibule Lock

- Latch retracted by key from outside when the outside lever is unlocked by key in inside lever.
- Inside lever is always unlocked.

Outside **Inside**



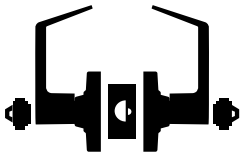
SCHLAGE ANSI

ND66PD **F91**

Store Lock†

- Key in either lever locks or unlocks both levers.

Outside **Inside**



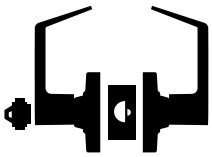
SCHLAGE ANSI

ND70PD **F84**

Classroom Lock

- Outside lever locked and unlocked by key.
- Inside lever always unlocked.

Outside **Inside**



Lock Functions | ANSI A156.2 Series 4000 Grade 1

Keyed Locks (continued)

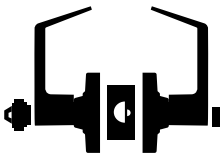
SCHLAGE ANSI

ND73PD **F90**

Corridor Lock

- Locked or unlocked by key from outside.
- Push-button locking from inside.
- Turn inside lever or close door to release button.
- When outside lever is locked by key it can only be unlocked by key.
- Inside lever is always unlocked.

Outside **Inside**



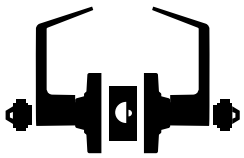
SCHLAGE ANSI

ND75PD **-**

Classroom Security Lock

- Key in either lever locks or unlocks outside lever.
- Inside lever is always unlocked.

Outside **Inside**



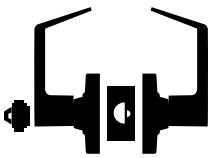
SCHLAGE ANSI

ND80PD **F86**

Storeroom Lock

- Outside lever is fixed.
- Entrance by key only.
- Inside lever always unlocked.

Outside **Inside**



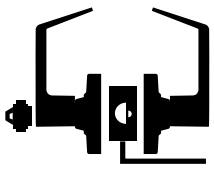
SCHLAGE ANSI

ND80PDEL **-**

Electrically Locked (Fail Safe)

- Outside lever continuously locked electrically.
- Unlocked by key outside or by switch or power failure.
- Auxiliary latch deadlocks latchbolt when door is closed.
- Inside lever always free for immediate exit.

Outside **Inside**



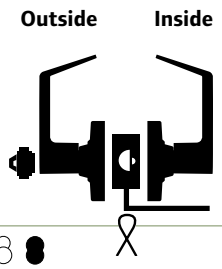
SCHLAGE ANSI

ND80PDEU **-**

Electrically Unlocked (Fail Secure)

- Outside lever continuously locked until unlocked by key or electric current.
- Auxiliary latch deadlocks latchbolt when door is closed.
- Inside lever always free for immediate exit.

Outside **Inside**



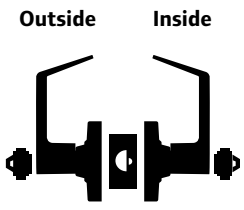
SCHLAGE ANSI

ND82PD **F87**

Institution Lock†

- Both levers are fixed.
- Entrance by key in either lever.

Outside **Inside**



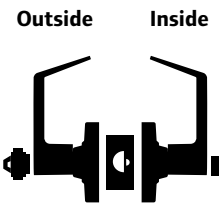
SCHLAGE ANSI

ND85PD **-**

Faculty Restroom Lock

- Outside lever is fixed.
- Entrance by key only.
- Push-button in inside lever activates visual occupancy indicator, allowing only emergency master key to operate.
- Turn inside lever or close door to release visual occupancy indicator.
- Rotation of inside spinner-button provides lock-out feature by keeping indicator thrown.

Outside **Inside**



Vandlgard Functions

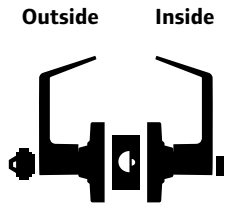
SCHLAGE ANSI

ND91PD **F82**

Entrance/Office Lock

- Push-button locking.
- Push-button disengages outside lever until locked with key or by turning inside lever.
- Vandlgard is designed to disengage outside spindle from latch when locked.

Outside **Inside**



Standard cylinder.

Safe School Locks.

FSIC - full size interchangeable core option.

SFIC - small format interchangeable core option.

† **Caution:**
Double cylinder locks are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

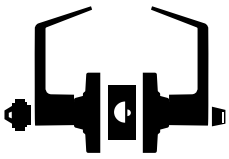
SCHLAGE ANSI

ND92PD F109

Entrance Lock

- Turn/push-button locking: Pushing and turning button disengages outside lever, requiring using of key until button is manually unlocked.
- Push-button locking: Pushing button disengages outside lever until unlocked by key or by turning inside lever.
- Vandlgard is designed to disengage outside spindle from latch when locked.

Outside **Inside**



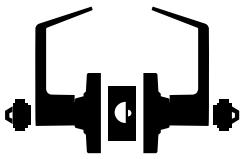
SCHLAGE ANSI

ND93PD F88

Vestibule Lock

- Latch retracted by key from outside when outside lever is disengaged by key in inside lever.
- Inside lever is always unlocked.
- Vandlgard is designed to disengage outside spindle from latch when locked.

Outside **Inside**



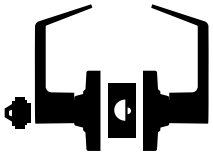
SCHLAGE ANSI

ND94PD F84

Classroom Lock

- Outside lever disengaged and unlocked by key.
- Inside lever always unlocked.
- Vandlgard is designed to disengage outside spindle from latch when locked.

Outside **Inside**



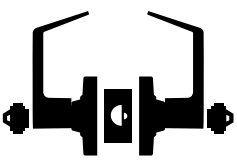
SCHLAGE ANSI

ND95PD -

Classroom Security Lock

- Key in either lever locks or unlocks outside lever.
- Inside lever is always unlocked.

Outside **Inside**



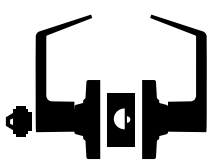
SCHLAGE ANSI

ND96PD F86

Storeroom Lock

- Outside lever always disengaged.
- Entrance by key only.
- Inside lever is always unlocked.
- Vandlgard is designed to disengage outside spindle from latch when locked.

Outside **Inside**



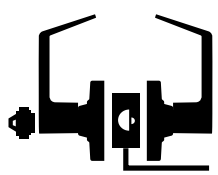
SCHLAGE ANSI

ND96PDEL -

Electrically Locked (Fail Safe)

- Outside lever continuously disengaged electrically.
- Unlocked by key outside or by switch or power failure.
- Auxiliary latch deadlocks latchbolt when door is closed.
- Inside lever always free for immediate exit.
- Vandlgard is designed to disengage outside spindle from latch when locked.

Outside **Inside**



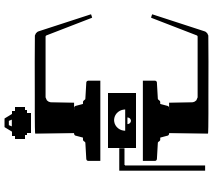
SCHLAGE ANSI

ND96PDEU -

Electrically Unlocked (Fail Secure)

- Outside lever continuously disengaged until unlocked by key or electric current.
- Auxiliary latch deadlocks latchbolt when door is closed.
- Inside lever always free for immediate exit.
- Vandlgard is designed to disengage outside spindle from latch when locked.

Outside **Inside**



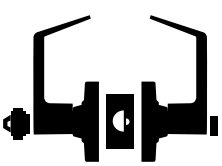
SCHLAGE ANSI

ND97PD F90

Corridor Lock

- Locked or unlocked by key from outside.
- Push-button locking from inside.
- Turning inside lever or closing door releases button.
- When outside lever is locked by key it can only be unlocked by key.
- Inside lever is always unlocked.
- Vandlgard is designed to disengage outside spindle from latch when locked.

Outside **Inside**



ND-Series Electrified Locks

ND-Series locks are available for electrically locking and unlocking controls for high security and fire safety applications. They are UL Listed and rated for both fire and electrical single-point locking on labeled doors. RX feature is available on ND80 and ND12 families. Switch is ready to be used in a normally open or normally closed application.

Special prep required for RX feature. See service manual for details.

Electrical Requirements

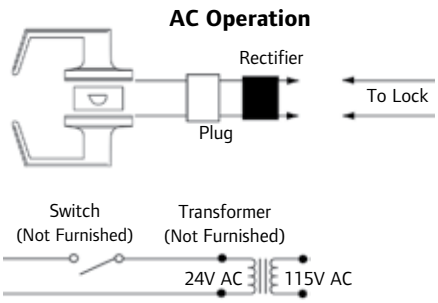
Voltage
24VAC or 24VDC

Holding Current
.15A or .35A

Operating Temperature
Maximum +151°F (+66°C)
Minimum -31°F (-33°C)
Note: All installations should be in accordance with local electrical codes.

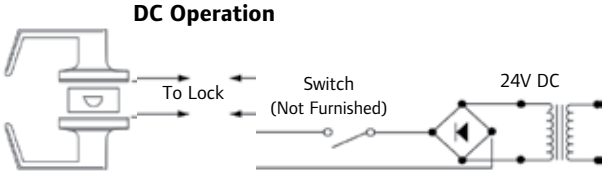
Typical Wiring Diagram for Electrified Locks

AC Power Source – EL or EU



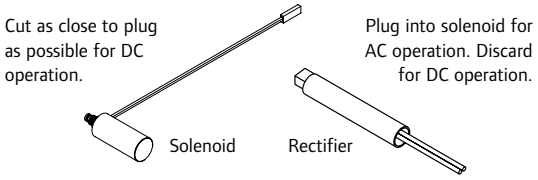
Rectifier used on AC operation unit only.
.35A @ 24V (Current requirements per lock)

DC Power Source – EL or EU



.15A @ 24V (Current requirements per lock)

AC and DC Application


Cut as close to plug as possible for DC operation.
Plug into solenoid for AC operation. Discard for DC operation.
Solenoid
Rectifier

ND-Series Other Special Functions

ND30D
Patio lock
Push button locking. Turning inside lever or closing door releases button, preventing a lock-out. Inside lever always free for immediate egress. Specify per XN12-007.

ND25 x 80PD
Storeroom exit lock
Blank plate outside. Key in fixed inside lever retracts latch. Specify per XN12-005.

ND25 x 70PD
Classroom exit lock
Blank plate outside. Key locks or unlocks inside lever. Specify per XN12-004.

ND60PD
Vestibule with closed outside lever
Same as ND60 except outside lever is closed. Inside lever always free for immediate egress. Specify per XN12-001.

ND70 x 80PD
Classroom by storeroom lock
Key locks and unlocks outside lever. Key in fixed inside lever retracts latch. Specify per XN12-006.

ND72PD
Communicating Lock
Key in either lever locks and unlocks on lever. Specify per XN12-002.

ND72PD
Vandlgard communicating lock
Communicating, ND72, lock with Vandlgard. Key in either lever locks and unlocks own lever. Both inside and outside levers are clutching. Specify per XN12-003.

Specifications

Handing:
All ND-Series lever locksets are non-handed.

Door Thickness:
1 5/8″ to 2 1/8″ (41mm–54mm) standard including Vandlgard® functions. 1 3/4″ - 2″ for function D85. See accessories (Page 21) for spacers required for 1 3/8″ doors.

Backset:
2 3/4″ (70 mm) standard. 2 3/8″, 3 3/4″ and 5″ (60 mm, 95 mm, 127 mm) optional.

Faceplate:
Brass, bronze or stainless steel. 1 1/8″ x 2 1/4″ (29 mm x 57mm) square corner, beveled.

Lock Chassis:
Zinc plated for corrosion resistance.

Latch Bolt:
Steel, 1/2″ (12mm) throw, deadlocking on keyed and exterior functions. 3/4″ (19 mm) throw anti-friction latch available for pairs of fire doors.

Exposed Trim:
Levers: Pressure cast zinc, plated to match finish symbols.
Roses: Brass, bronze or zinc.

Strike:
ANSI curved lip strike 1 1/4″ x 4 7/8″ x 1 3/16″lip to center standard. Optional strikes, lip lengths and ANSI strike box available. See page 21.

Cylinder & Keys:
6-pin Everest C123 keyway standard with two patented nickel silver keys per lock.

Keying Options:
Interchangeable core and Primus high security cylinders. Master keying, grand master keying and construction keying.

Warranty:
Seven-year limited for all functions including Vandlgard.

Certifications

ANSI:
Meets or exceeds A156.2 Series 4000, Grade 1 strength and operational requirements. Meets A117.1 Accessibility Code.

Federal:
Meets FF-H-106C Series 161.

California State Reference Code:
(Formerly Title 19, California State Fire Marshal Standard) All levers with less than 1/2″ (64mm) returns comply; Schlage levers return to within 1/2″ of door face.

MEA Certification:
All electrified locking (fail-safe, unlocked by switch or power failures) functions accepted for use in New York City by the City of New York, Department of Buildings (MEA 24-04-E).

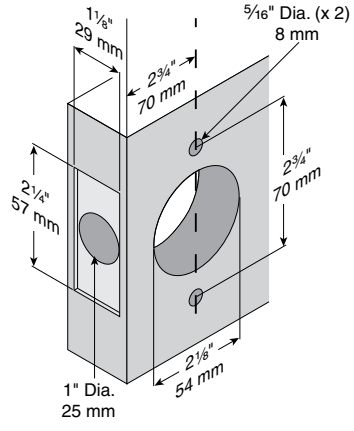
All levers with less than 1/2″ (64mm) returns comply with California Fire Safety Codes.

Florida Building Commission:
3/4″ and 1/2″ throw latch approved for Hurricane Resistance with Miami-Dade County, Florida.

UL / cUL:
All locks listed for A label single doors, 4′ x 8′.
Letter F and UL symbol.

ADA Compliant:
Schlage Lock Company offers a wide selection of locks designed to meet the Americans With Disabilities Act.

Door Preparation



299 Strike

98 and 99 rim exit devices for all types of single and double doors with mullion, UL listed for Panic Exit Hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 98 device has a smooth mechanism case and the 99 device has a grooved case. The rim device is non-handed except when the following device options are used: SD (Special Dogging), -2 (Double Cylinder) or SS (Signal Switch). See Opposite page for available outside trim and device functions. Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

The 98/99 devices are available in the following finishes: US3, US4, US10, US26, US26D, US28, 313AN, 315AN and US32D for the 98 device only. See page 52 for component finishes and the inside cover for finish chips.

Specifications

Device Functions	Device ships EO/DT/NL. Field selectable. For TP,K,or L remove NL drive screw from device		
Device Lengths	3'	2'4" to 3' (711mm to 914 mm) Door Size	
	4'	2'10" to 4' (864 mm to 1219 mm) Door Size	
Strikes	299 – Dull Black Optional Strikes – see page 39		
Dogging Feature	Hex key dogging standard		
Dogging Options	CD	Cylinder Dogging	see page 48
	SD	Special Center Case Dogging	see page 48
	LD	Less Dogging	see page 48
Electric Options	LX	Latchbolt Monitor Switch	see page 42
	RX	Pushpad Monitor Switch	see page 42
	RX2	Double Pushpad Monitor Switch	see page 42
	E	Electric Locking & Unlocking	see page 44
	EL	Electric Latch Retraction	see page 43
	SS	Signal Switch	see page 43
	CX	Chexit Delayed Exit	see page 45
	ALK	Alarm Exit Kit	see page 42
Miscellaneous Options	PN	Pneumatic Latch Retraction	see page 48
	-2	Double Cylinder	see page 48
	GBK	Glass Bead Kit	see page 49
Fasteners & Sex Bolts (SNB)	Includes 1 ¾" (19mm) – 2 ¼" (57mm) Wood & Metal Doors Optional SNB available for device, see next page for quantities		
Latch Bolt	Deadlocking, ¾" (19mm) throw		
Device Centerline from Finished Floor	39 13⁄16" (1011 mm) 39 11⁄16" (1008 mm) with Mullion		
Center Case Dimensions	8" x 2 ¾" x 2 ⅜" (203mm x 70mm x 60mm)		
Mechanism Case Dimensions	2 ¼" x 2 ¼" (57mm x 57mm)		
Projection	Pushbar Neutral – 3 13⁄16" (97 mm) Pushbar Depressed – 3 1⁄16" (78 mm)		

See page 53 for How to Order specification

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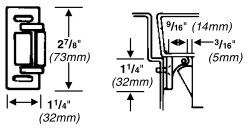
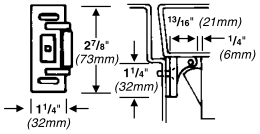
Strikes for rim devices

264



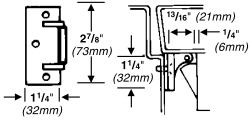
Projection 9/16" (14mm)

299



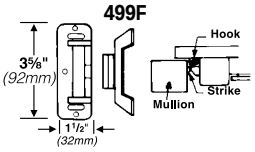
Projection 13/16" (21mm)

299F



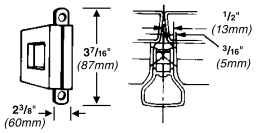
Projection 13/16" (21mm)

499F



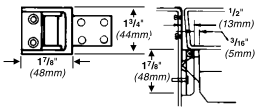
Projection 15/16" (24mm)

1408



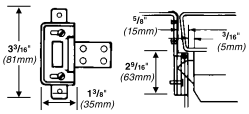
One per pair of doors

1439–Blade Stop



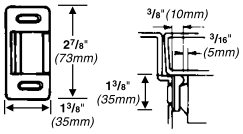
Projection 1/2" (13mm)

1410–Integral Stop



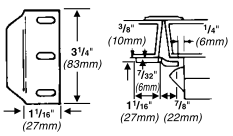
Projection 1/2" (13mm)

1606



Projection 3/8" (10mm)
Panic Devices Only

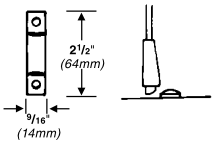
1609



- Requires Coordinator
- For Fire Rated Application, consult factory

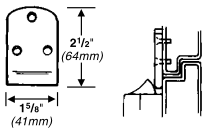
Strikes for vertical rod devices

248L-4



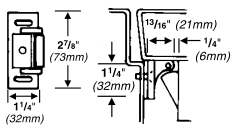
Projection 3/8" (10mm)

260U–Flush Transom Only



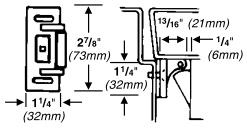
Projection 3/8" (10mm)
For Fire Rated Application, consult factory

299



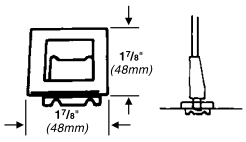
Projection 13/16" (21mm)

299F



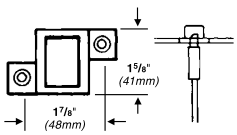
Projection 13/16" (21mm)

304L



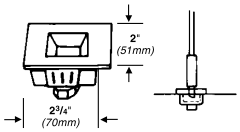
Mortise 13/16" (21mm)

338



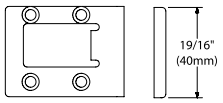
Mortise 5/8" (16mm)

385A



Mortise 2-1/2" (64mm)

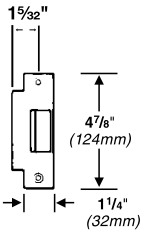
283



For use with WDC devices
when used with wood frames

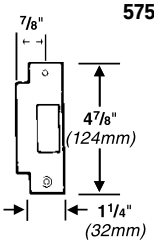
Strikes for mortise lock devices

575



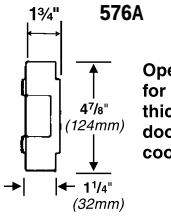
For use on 1 3/4" *(44mm)* or 2 1/4" *(57mm)* Single door and 2 1/4" *(57mm)* double door with coordinator.

575-2



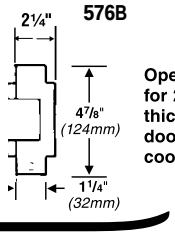
For use on 1 3/4" *(44mm)* thick double door with coordinator and astragal

576A



Open back strike for 1 3/4" *(44mm)* thick double doors without coordinator.

576B



Open back strike for 2 1/4" *(57mm)* thick double doors without coordinator.

- Not for use with astragals
- Not for use on wood doors
- Acceptable for 90 minute pair of hollow metal doors

	Exit only	**Dummy Trim** Pull when Dogged 	**Night Latch** Key Retracts Latchbolt 	**Night Latch** Key Retracts Latchbolt Optional Pull Required
Product Description	98EO 99EO	98DT 99DT	98NL 99NL	98NL-OP 99NL-OP
Trim Description	—	990DT	990NL-R/V	110NL-MD 110NL-WD
Escutcheon Plate Size	—	3" x 14³⁄₁₆" x ³⁄₃₂" *(76x360x2mm)*	3" x 14³⁄₁₆" x ³⁄₃₂" *(76x360x2mm)*	—
Pull Center to Center	—	5½" *(140mm)*	5½" *(140mm)*	—
Projection	—	2" *(51mm)*	2" *(51mm)*	—
ANSI Function	01	02	03	03
Cylinder Type	—	—	Rim	Rim
Optional Trim (See pages 32 – 34)	x990EO x992EO x994EO x996EO	x991K-DT x992L-DT x994L-DT x996L-DT x696DT x697DT	x991K-NL x992L-NL x994L-NL x996L-NL x696NL x697NL	
Optional #425 Sex Bolt Quantity for Device	6	2	2	6

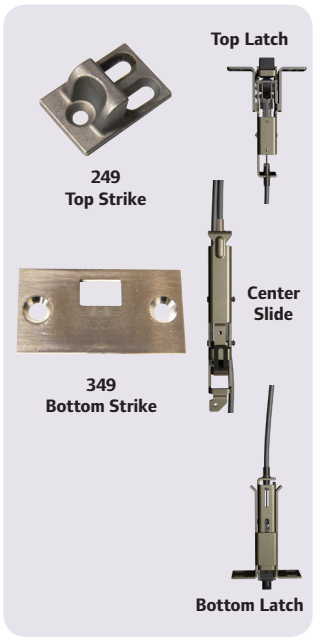
	Lever Key Locks & Unlocks 	**Lever – Night Latch** Key Retracts Latchbolt 	**Lever – Blank Escutcheon** Always operable (No Cylinder) 	**Lever Dummy Trim** Pull when Dogged
Product Description	98L 99L	98L-NL 99L-NL	98L-BE 99L-BE	98L-DT 99L-DT
Trim Description	996L-R/V	996L-NL-R/V	996L-BE-R/V	996L-DT-R/V
Escutcheon Plate Size	2¾" x 10¾" x ²⁷⁄₃₂" *(70x273x21mm)*	2¾" x 10¾" x ²⁷⁄₃₂" *(70x273x21mm)*	2¾" x 10¾" x ²⁷⁄₃₂" *(70x273x21mm)*	2¾" x 10¾" x ²⁷⁄₃₂" *(70x273x21mm)*
Pull Center to Center	—	—	—	—
Projection	2⅞" *(73mm)*	2⅞" *(73mm)*	2⅞" *(73mm)*	2⅞" *(73mm)*
ANSI Function	08	09	—	02
Cylinder Type	Rim	Rim	—	—
Optional Trim (See pages 32 – 34)	x992L x994L	x992L-NL x994L-NL	x992L-BE x994L-BE	x992L-DT x994L-DT
Optional #425 Sex Bolt Quantity for Device	2	2	2	2

For optional trims and functions see pages 32-34

9849/9949 Concealed Vertical Cable Device

VON DUPRIN

Hex key dogging comes standard on 9849/9949 Concealed Vertical Cable Devices



9849/9949 concealed vertical cable device for use on single or metal doors, UL listed for Panic Exit Hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 9849 device has a smooth mechanism case and the 9949 device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SD (Special Dogging), or SS (Signal Switch).
See Opposite page for available outside trim and device functions.

Finishes – US3, US3A, US4, US4A, US10, US15, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US32D available with 98 Series only.

Specifications

Device Functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.
Device Lengths	2' 2' (610mm) Door Size 3' 2'4' to 3' (711mm to 914 mm) Door Size 4' 2'10" to 4' (864 mm to 1219 mm) Door Size
Device Centerline from Finished Floor	39 5/8" (1006 mm) Standard
Center Case Dimensions	8" x 2¾" x 2⅜" (203mm x 70mm x 60mm)
Mechanism Case Dimensions	2¼" x 2¼" (57mm x 57mm)
Projection	Pushbar Neutral – 3 13/16" (97 mm) Pushbar Depressed – 3 1/16" (78 mm)
Latch Bolt	Deadlocking Top & Bottom Bolt, ½" (13mm) throw
Door Undercut	¾" (19mm) maximum
Top & Bottom Latch Case	5 13/16" x 1¼" x 1 7/16" (147mm x 32mm x 37mm)
Vertical Cable	7/32" (6mm) Diameter Stainless Steel Cables
Fasteners & Sex Bolts (SNB)	Includes screw pack for 1¾" (44mm) and 2¼" (57mm) thick metal doors. Optional 425 SNB available.
Electric Options	**ALK** Alarm Exit Kit **CX** Chexit Delayed Exit **E** Electric Unlocking and Locking Trim **EL** Electric Latch Retraction **HD-EL** Electric Latch Retraction w/ Hex Dogging **LX** Latchbolt Monitor Switch **QEL** Quiet Electric Latch Retraction **RX2** Double Pushpad Monitor Switch **RX996L** Trim Monitor Switch **RX** Pushpad Monitor Switch **RXLC** Pushpad Monitor Switch - Low Current **SS** Signal Switch **WP-RX** Waterproof Request to Exit
Mechanical Options	**GBK** Glass Bead Kit **LBL** Less Bottom Latch **PN** Pneumatic Latch Retraction **SEC** Security Screws **SG** Safety Glow **SLM** SLM Blocking **SNB** Sex Bolts
Dogging Feature **Dogging Options**	Hex key dogging standard **CD** Cylinder Dogging **LD** Less Dogging **SD** Special Center Case Dogging **DI** Dogging Indicator **CDI** Cylinder Dogging Indicator
Strikes	Top - 249 – Unfinished, Bottom – 349 - Unfinished

QEL
Quiet Electric Latch Retraction
- Bolt retraction via switch
- Converts exit door to push-pull operation

CD
Cylinder Dogging
- Replaces hex key dogging
- Requires standard 1¼" mortise cylinder

CX
Chexit Delayed Exit
- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

RX
Pushpad Monitor Switch
- Signals use of an opening
- SPDT switch to monitor pushpad

EL
Electric Latch Retraction
- Enables remote unlatching
- Alternative to manual dogging

ALK
Alarm Exit Kit
- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

PN
Pneumatic Latch Retraction
- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

DI
Dogging Indicator
- Monitor dogging status without a control panel
- Red indicator light shows visibility to dogging from over 75 feet

E (E 996L)
Electrified Breakaway Lever
- Electrified remote locking/unlocking
- Standard in fail safe condition

SG
Safety Glow
- Self illuminating touchpad
- No batteries or elctronics

Standard Trim

	EO **Exit only**	DT **Dummy Trim** Pull When Dogged	NL **Night Latch** Key Retracts Latchbolt	NL-OP **Night Latch** Key Retracts Latchbolt Optional Pull Required
Product Description	9849EO 9949EO	9849DT 9949DT	9849NL 9949NL	9849NL-OP 9949NL-OP
Trim Description	—	990DT	990NL-R/V	110NL-MD
Escutcheon Plate Size	—	3" x 14³⁄₁₆" x ³⁄₃₂" *(76x360x2mm)*	3" x 14³⁄₁₆" x ³⁄₃₂" *(76x360x2mm)*	—
Pull Center to Center	—	5½" *(140mm)*	5½" *(140mm)*	—
Projection	—	2" *(51mm)*	2" *(51mm)*	—
ANSI Function	01	02	03	03
Cylinder Type	—	—	Rim	Rim
Handing	—	—	—	—
Optional Trim *see pages 44-46*	x990EO x996EO	x996K-DT x996L-DT x697DT	x996K-NL x996L-NL x697NL	
Quantity needed Optional 425 SNB	6	2	2	6

	L **Lever** Key Locks & Unlocks	L-NL **Lever – Night Latch** Key Retracts Latchbolt	L-BE **Lever – Blank Escutcheon** Always operable (No Cylinder)	L-DT **Lever Dummy Trim** Pull When Dogged
Product Description	9849L 9949L	9849L-NL 9949L-NL	9849L-BE 9959L-BE	9849L-DT 9949 L-DT
Trim Description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon Plate Size	2¾" X 10¾" X ²⁷⁄₃₂" *(70x273x21mm)*	2¾" X 10¾" X ²⁷⁄₃₂" *(70x273x21mm)*	2¾" X 10¾" X ²⁷⁄₃₂" *(70x273x21mm)*	2¾" X 10¾" X ²⁷⁄₃₂" *(70x273x21mm)*
Pull Center to Center	—	—	—	—
Projection	2⅞" *(73mm)*	2⅞" *(73mm)*	2⅞" *(73mm)*	2⅞" *(73mm)*
ANSI Function	08	03	14	02
Cylinder Type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Quantity needed Optional 425 SNB	2	2	2	2

* Electrified lever operation available.

Optional Trim

Knobs

Thumbpieces

Lever Designs

Standard Door Height	
Feet	**Inches**
6'8"	80"
7'	84"
8'	96"
9'	108"
10'	120"

Note:

Non-standard sizes available with extended lead time.
Consult Customer Care for more information 1-877-671-7011.

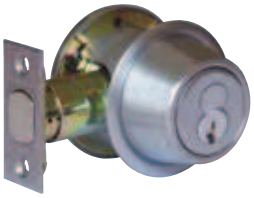
Full Size Interchangeable Core Availability

A-Series
Orbit design

ND-Series lever
all designs

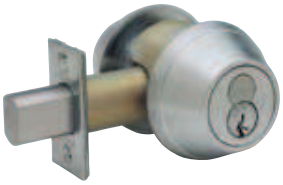
AL-Series
Saturn design

H-Series knob
Orbit design



B500-Series

L-Series
all designs
except concealed



B600 / 700-Series

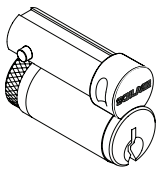
S-Series
all designs
except Flair

D-Series knob
Orbit design

S200-Series
all designs for S210

All except Flair for other functions

Full Size Interchangeable Core Cylinders for Schlage Locksets



Full Size Core Only

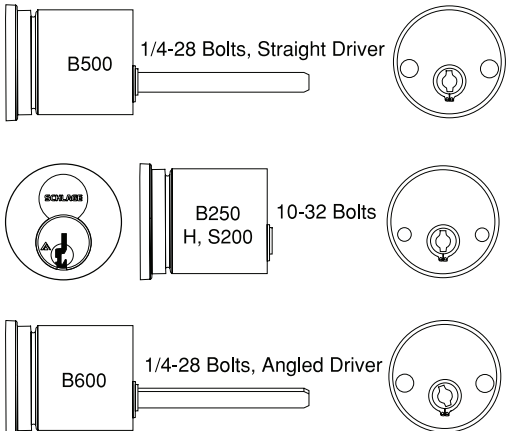
Number	Mechanism
23-030	Conventional core
30-120	Conventional core for hotel function (specify hand)
20-740-XP	Primus XP core (not available in hotel function)

Available 606 and 626 finish only. Order control keys separately.

Full Size IC Housings for Bored Deadlocks, Less Core

Lockset Series	Description	Number	Specify Finish
B500-Series	Outside	B610-203, B610-205	605, 609, 612, 613, 619, 625, 626, and 716
	Inside	B610-028**	605, 609, 612, 613, 619, 625, 626, and 716
B250, H, S200-Series	Outside	22-061	605, 606, 609, 610, 611, 612, 613, 616, 625, 626
	Inside of B252	22-062	
B600 / 700-Series	Outside	B610-027	605, 606, 609, 612, 613, 625, 626
	Inside	B610-028	See Note Below

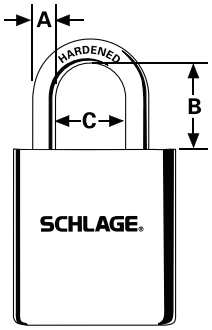
Specify finish of B610-031 inside snap-on faceplate ordered separately for BC162 and B662/762.
**Inside housing does not include snap-on faceplate



KS43F KS72F KS92M

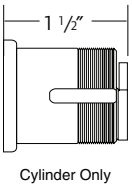
Full Size Interchangeable Core Padlocks

Part #	Shackle Dimensions		
	A	B	C
LESS CYLINDER - FULL SIZE INTERCHANGEABLE CORE			
BRASS BODY			
KS43A3200	3/8″	3/4″	3/4″
KS43D3200	3/8″	1 1/2″	3/4″
KS43F3200	3/8″	2″	3/4″
KS43G3200	3/8″	4″	3/4″
STEEL BODY			
KS72M3200	7/16″	1″	7/8″
KS72F3200	7/16″	2″	7/8″
KS92M3200	3/8″	1″	3/4″

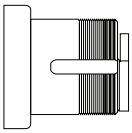


Note: To order Primus XP add the suffix - XP to the Primus part number. (Example: 12-345-XP)

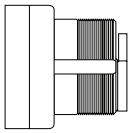
Full Size Interchangeable Core Mortise Cylinders



Cylinder Only



Compr. Ring & Spring



With Blocking Ring

Cylinders for Schlage L-Series Mortise Locks

	Design	Function	Core Mechanism		
			Conventional	Primus, Primus XP	Housing Less Core
	L & N Escutcheons (cylinders with compression ring)	All Except Below	30-008	20-798, 20-798-XP	30-007
		L9060P Outside	30-030	20-782, 20-782-XP	30-032 + 36-083
		L9485P, L9486P Hotel Funtions	30-010*	N/A	30-007
	Sectional Trim (cylinder with compression ring, spring and 3/8" blocking ring). 9060 requires 1/2" blocking ring.	All Except Below	30-138	20-776, 20-776-XP	30-137
		L9060P Outside	30-030 + 36-083 + 35-082-030	20-783, 20-783-XP	30-032 + 36-083 + 36-082-050
		L9485P, L9486P Hotel Funtions	30-040*	N/A	30-137

L583-489
Cam for All Functions Except L9060 Outside

K510-680
Cam for L9060 Outside

* Hotel function cores are handed. Specify hand of door.

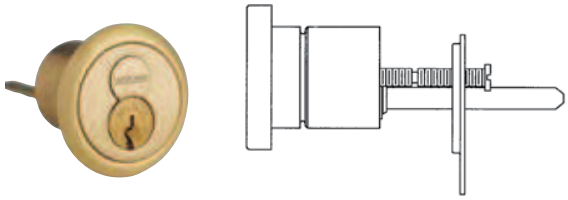
Mortise Cylinders with Straight Cam for Exit Devices

Number	Core Mechanism	Collar
26-091	Conventional core	Compression ring & spring
20-061		3/8" blocking rings + compression ring & spring
20-763, 20-763-XP	Primus/Primus XP core	Compression ring & spring
20-771, 20-771-XP		3/8" blocking rings + compression ring & spring
20-059	Housing less core	None
26-064		Compression ring & spring

K510-730
Straight Cam, Other Applications

Notes 1. Available 605, 606, 609, 610, 612, 613, 625, and 626 finish. Cores furnished 606 and 626 only.
2. To differentiate between Classic and Everest, specify keyway. Example: C or CP (Classic), C123 (Everest). Everest C123 keyway standard.
3. All cylinders are 1 1/2" long.
4. Specify LKB if 0-bitted Primus XP cylinders are required less key blanks.

Full Size Interchangeable Core Cylinders for Exit Devices, Aluminum Doors, etc.



Interchangeable Core Rim Cylinders for Exit Devices

Number	Core Mechanism
20-057	Conventional core
20-757	Primus core
20-757-XP	Primus XP core
20-079	Housing only, less core

Available 605, 606, 609, 610, 612, 613, 625 and 626 finish.

Cylinders for Adams Rite MS and 4700 Series Lori 4500 Series and Corbin Russwin DL3000 Series

Number	Core Mechanism	Collar
26-098	Conventional core	Compression ring & spring
20-062	Conventional core	3/16″ + 3/8″ blocking rings
20-766	Primus core	3/16″ + 3/8″ blocking rings
20-766-XP	Primus XP core	3/16″ + 3/8″ blocking rings
20-060	Housing less core	None

These cylinders include set screw pack B220-050 for Adams Rite locks.

K510-711
Adams Rite
MS Cam

Cylinders for Adams Rite 4070 Series Deadlocks

Number	Core Mechanism	Collar
20-091	Conventional core	3/16″ + 3/8″ blocking rings
20-722	Primus core	3/16″ + 3/8″ blocking rings
20-722-XP	Primus XP core	3/16″ + 3/8″ blocking rings
20-090	Housing less core	None

B520-378
Adams Rite
4070 Cam

Notes
1. Mortise cylinders available 605, 606, 609, 610, 612, 613, 625, and 626 finish. Cores furnished 606 and 626 only.
2. To differentiate between Classic and Everest, specify keyway. Example: C or CP (Classic), C123 (Everest).
3. All cylinders are 1 1/2″ long.
4. Specify LKB if 0-bitted Primus XP cylinders are required less key blanks.

Lock Guards

LG10 thru LG12

LG10

- Ideally suited for use with rose or escutcheon 2-3/4" wide or less.
- For use with Type 86 Mortise and Type 161 Cylinder Locks (ANSI 156.13 Series 1000 and ANSI 156.2 Series 4000).
- No exposed fasteners on face of unit.
- Unique design provides maximum security, virtually eliminating the opening between door and frame at the latch point.
- Available in 13 Gauge Stainless Steel or 12 Gauge Steel.
- Finishes: Stainless Steel—US32D
  Steel—USP

Dimensions:
9-1/2" Tall x 2-1/2" Wide

LG11

- Designed for use on aluminum doors with latch-type locks or doors equipped with electric strikes.
- Unit is Handed - Specify left or right hand when ordering.
- No exposed fasteners on face of unit.
- Unique design provides maximum security, virtually eliminating the opening between door and frame at latch point.
- Available in 13 Gauge Stainless Steel or 12 Gauge Steel.
- Finishes: Stainless Steel—US32D
  Steel—SP313 (Dark Bronze)

Dimensions:
9-1/2" Tall x 3" Wide

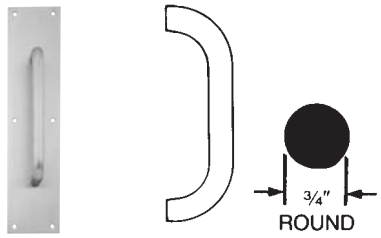
LG12

- Narrow design unit for use on rose or escutcheon 3-1/2" or less.
- For use with Type 86 Mortise and Type 161 Cylinder Locks (ANSI 156.13 Series 1000 and ANSI 156.2 Series 4000).
- No exposed fasteners on face of unit.
- Unique design provides maximum security, virtually eliminating the opening between door and frame at the latch point.
- Available in 13 Gauge Stainless Steel or 12 Gauge Steel
- Finishes: Stainless Steel—US32D
  Steel—USP

Dimensions:
9-1/2" Tall x 1-1/2" Wide

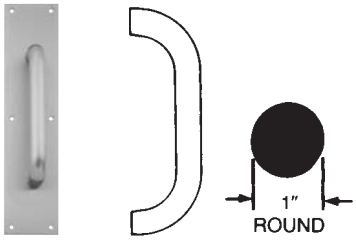
8300 Series Pull Plates

- Made from the finest architectural aluminum, brass and stainless steel.
- For Pull Plate sizes other than listed, contact our Customer Service Department or your local sales representative.
- All aluminum, brass, and stainless steel Pull Plates meet ANSI A156.6 requirements for .050" thickness.
- Each Pull Plate is packaged individually wrapped with mounting screws.
- Pulls are centered on plates up to 4" wide and offset 2" from edge of plates wider than 4".
- For special mounting methods other than standard, see pages C11 - C13.



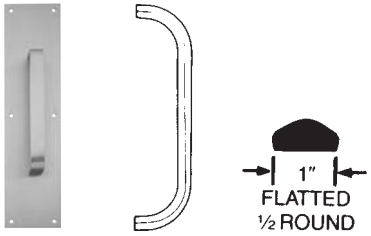
8302 Pull Plate

- 8300 Plate
  3-1/2" x 15"
  4" x 16"
  6" x 16"
- 8102 Pull
  6" centers
  8" centers
  10" centers



8303 and 8303EZ Pull Plate

- 8300 Plate
  3-1/2" x 15"
  4" x 16"
  6" x 16"
- 8103 Pull
  8" centers
  10" centers



8305 Pull Plate

- 8300 Plate
  3-1/2" x 15"
  4" x 16"
  6" x 16"
- 8105 Pull
  6" centers
  8" centers
  10" centers

How to Order

83 ____ - ____ - _____ - _____ - ____ - ____

Pull Style:
- **02** for 8102
- **03** for 8103
- **05** for 8105

Pull Center to Center:
- **6** for 6" (not available on 8303)
- **8** for 8"
- **0** for 10"

Finishes:
US3, US4, US5, US10, US10B, US15, US15A, US26, US26D, US28, US32D

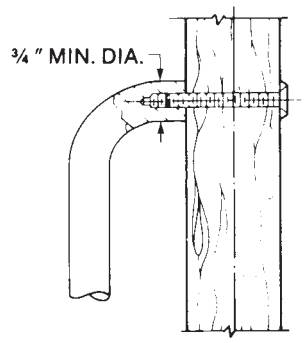
Size:
3-1/2" x 15", 4" x 16", 6" x 16"

Special Options: (Handing needed for 6" x 16", LH or RH)
- **CFC** Cylinder cutout
- **CTC** Thumbturn cutout

Mounting:
- **Blank** Standard
- **F** Concealed pull wood doors w/push plate (special. Not available 8303EZ.)
- **G** Concealed pull plate (Only available 8302, 8303 and 8303EZ)
- **I** Concealed pull wood door (not available 8305 and 8303EZ)
- **J** Back to back pull (not available 8305 and 8303EZ)

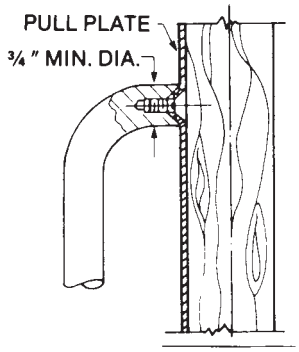
Mounting

- All mounting hardware is for standard 1-3/4" door.
- Consult Customer Service if other than standard.



Standard Mounting

- (2) 1/4-20 x 2-1/4" brass, oval head machine screws; plated to match.
- (2) No. 14 countersunk washers; plated to match



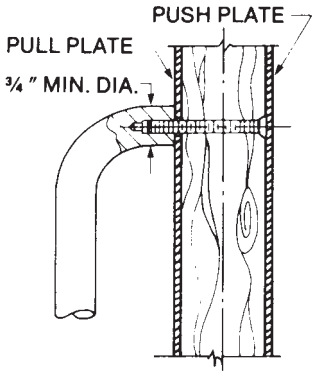
Type G

Concealed Pull Plate Mounting

Available only for 8302, 8303, 8311 and 8314 Pull Plates.

- (2) 1/4-20 x 5/8" steel flat head machine screws; zinc plated.

Pull mounts directly onto plate. Plate is attached to door by 6 screws.

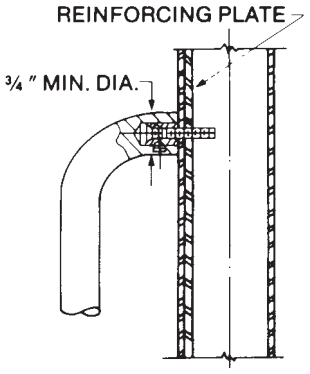


Type F-Special

Wood Doors
Concealed Pull Mounting With Push Plate

- (2) 1/4-20 x 2-1/4" steel flat head machine screws; zinc plated.

Available only for 8102, 8103, 8105, 8111, 8113, 8114, 8302, 8303, 8305, 8311, 8313 and 8314. Plate on opposite side of door must be ordered separately.



Type H-Special

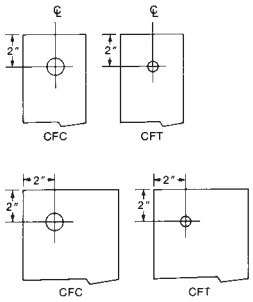
Reinforced Hollow Metal Door
Concealed Pull Mounting

Available only for 8102 and 8103 Pulls.

- (2) Steel screw sleeves; zinc plated.
- (2) 1/4-20 x 1-1/4" steel countersunk trim head machine screw; zinc plated.

8200 Series Push Plates and 8300 Series Pull Plates

- Made from the finest architectural aluminum, brass, and stainless steel.
- For Push Plate sizes other than listed, contact our Customer Service Department or your local sales representative.
- All aluminum, brass, and stainless steel Push Plates meet ANSI A156.6 requirements for .050" thickness.
- Each Push Plate is packaged individually wrapped with mounting screws.
- For special mounting methods other than standard, see pages C11 - C13.



Push and Pull Plates Cut for Cylinder or Thumbturns

- All plates may be ordered with cutout for cylinder or thumbturn. Standard cutouts are positioned 2" from top of plate and centered on plates up to 4" wide or 2" from edge on plates over 4" wide. Specify hand of door when ordering cutout for plates wider than 4". On pull plates, if the pulls center-to-center dimension interferes with the cutout for the cylinder or thumbturn, please provide drawing of cutout location when ordering.
- Standard size for cylinder cutouts is 1-1/4" diameter and for thumbturn cutout is 3/8" diameter.
- When ordering, add suffix CFC for cut for cylinder, and CFT for cut for thumbturn to product number.

8200 Push Plate
8300 Pull Plate (less pull)

Available Sizes

3" x 12"
3.5" x 15"
4" x 16"
6" x 16"
8" x 16"

How to Order

8 ___ - ____ - ____ - ____ - ____

Model:
- **200** Push Plate,
- **300** Pull Plate, less pull

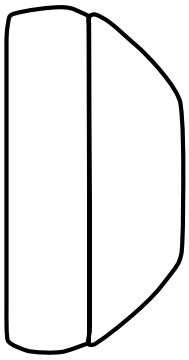
Hole Spacing: (for Pull Plate only)
- **5** for 5-1/4"
- **6** for 6"
- **8** for 8"
- **0** for 10"

Finishes:
US3, US4, US5, US10, US10B, US15, US15A, US26, US26D, US28, US32, US32D

Size:
3 x 12, 3-1/2 x 15, 4 x 16, 6 x 16, 8 x 16

Special Options: (specify handing for plates over 4" wide)
- **CFC** Cylinder cutout
- **CTC** Thumbturn cutout

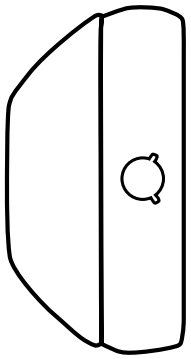
Vandal Resistant Trim



VR910-DT

- For use with Von Duprin 98/99 Series Rim and Vertical exit devices.
- Thru-bolts directly to device.
- Pull operation only. No cylinder cutout.

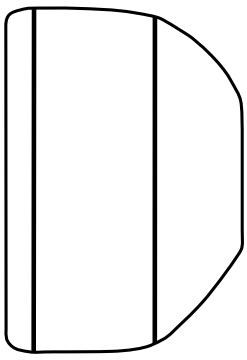
Prod. No.	Width	Height	Thru-Bolt Pattern	Clearance Grip to Door	Proj.
VR910DT	5-1/4"	11"	1-3/8" W X 7" H	1-1/2"	1-7/8"



VR910-NL

- For use with Von Duprin 98/99 Series Rim and Vertical exit devices.
- Thru-bolts directly to device.
- Includes cylinder cutout.
- Tailpiece guide and cylinder cup provided.

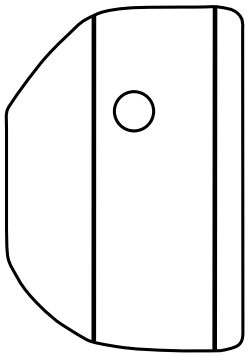
Prod. No.	Width	Height	Thru-Bolt Pattern	Clearance Grip to Door	Proj.
VR910NL	5-1/4"	11"	1-3/8" W X 7" H	1-1/2"	1-7/8"



VR910M-DT

- For use with Von Duprin 98/9975 Series Mortise exit devices.
- Thru-bolts directly to device.
- Includes built-in lock protector.
- Pull operation only. No cylinder cutout.

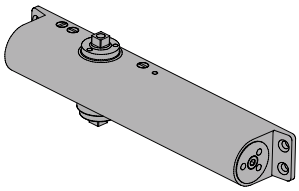
Prod. No.	Width	Height	Thru-Bolt Pattern	Clearance Grip to Door	Proj.
VR910M-DT	7-1/4"	11"	1-3/8" W X 7" H	1-1/2"	1-7/8"



VR910M-NL RHR
VR910M-NL LHR

- For use with Von Duprin 98/9975 Series Mortise exit devices.
- Thru-bolts directly to device.
- Includes built-in lock protector and cylinder cutout.

Prod. No.	Width	Height	Thru-Bolt Pattern	Clearance Grip to Door	Proj.
VR910M-NL	7-1/4"	11"	1-3/8" W X 7" H	1-1/2"	1-7/8"



SC80 Series

Medium-duty applications like retail storefronts, cafes and clinics that need a closer that makes door operation smooth and secure. The Falcon SC80 Series brings ANSI Grade 1 durability and reliable performance to interior and exterior aluminum storefronts. An adjustable design ensures flexible installation and ADA compliance.

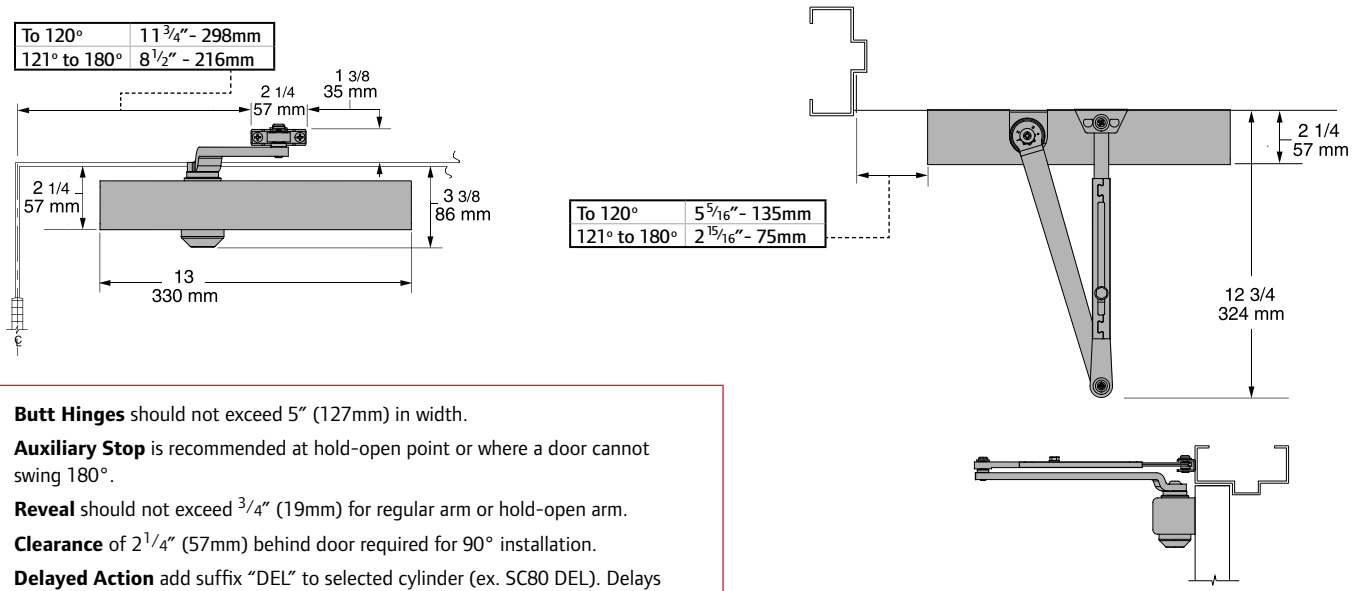
Standard Features

- Meets ANSI A117.1
- ANSI/BHMA A156.4, Grade 1
- UL Listed
- 1 1/4" diameter piston
- Closer mounts hinge side, top jamb or parallel arm when either the Rw/PA or Hw/PA arm is specified.
- **New for 2009** - adjustable sizes 1-6
- Single piece cast aluminum body
- Non-handed for left or right swinging doors
- Separate adjustable general speed, latch speed and backcheck
- Heat-treated steel piston
- Heat-treated pinion
- Cover is high-impact UL Listed fire retardant plastic that meets UL 10C and UBC 7-2 (1997) fire test
- UL 10C approved fluid
- Universal screw pack
- 10-year warranty

Listings and Certifications

The Falcon SC81 is UL approved and compliant with the UL 10C and UBC 7-2 (1997) fire test. Additionally, the SC81 is designed to meet the American Disabilities Act (ADA) and ANSI A117.1. The SC81 is ANSI/BHMA A156.4, Grade 1 certified.

SC80 Series Hinge (Pull Side)



Butt Hinges should not exceed 5" (127mm) in width.

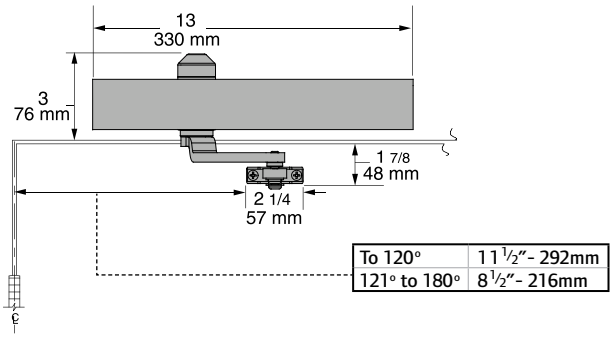
Auxiliary Stop is recommended at hold-open point or where a door cannot swing 180°.

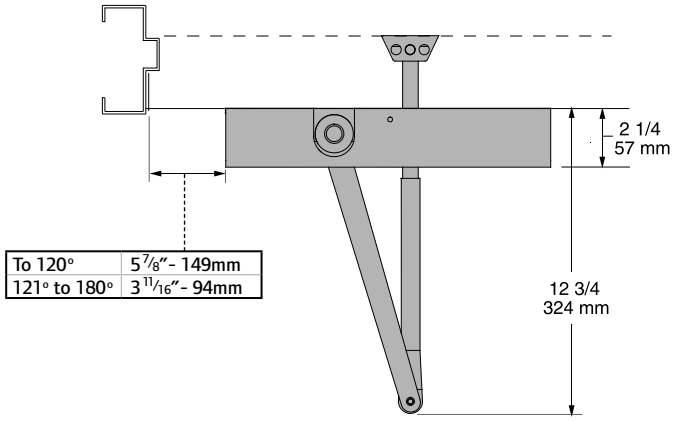
Reveal should not exceed 3/4" (19mm) for regular arm or hold-open arm.

Clearance of 2 1/4" (57mm) behind door required for 90° installation.

Delayed Action add suffix "DEL" to selected cylinder (ex. SC80 DEL). Delays closing from maximum opening to approximately 70°, with adjustable delay time.

SC80 Series Top Jamb (Push Side)





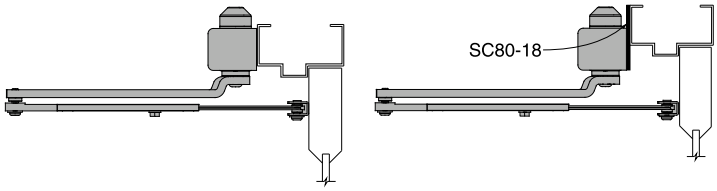
Butt Hinges should not exceed 5" (127mm) in width.

Auxiliary Stop is recommended at hold-open point or where a door cannot swing 180°.

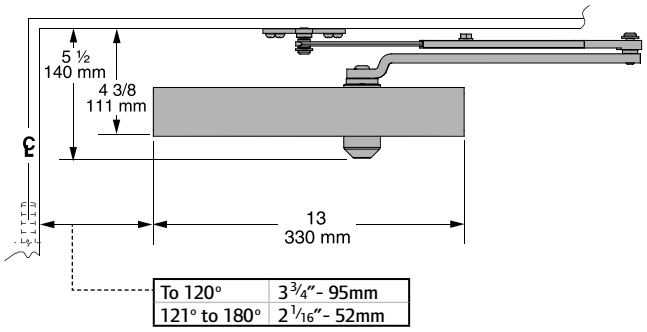
Reveal should not exceed $3^{1}/_{4}$" (83mm) for regular arm or hold-open arm.

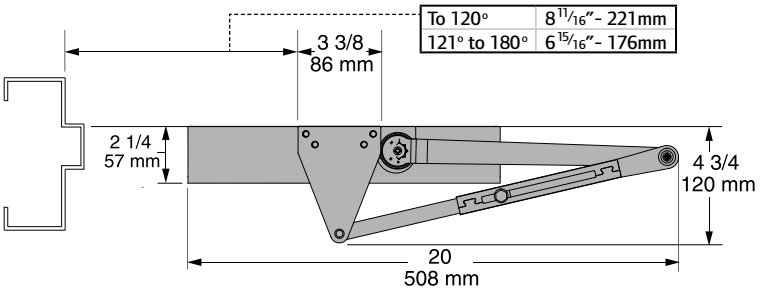
Head Frame less than $1^{3}/_{4}$" (44mm) requires plate SC80-18.

Delayed Action add suffix "DEL" to selected cylinder (ex. SC80 DEL). Delays closing from maximum opening to approximately 70°, with adjustable delay time.



SC80 Series Parallel (Push Side)



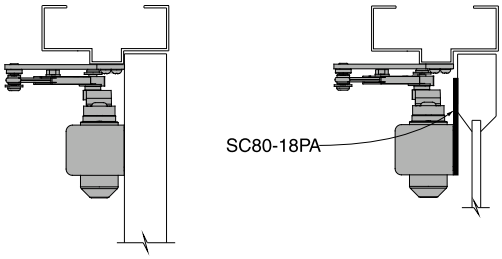


Butt Hinges should not exceed 5" (127mm) in width.

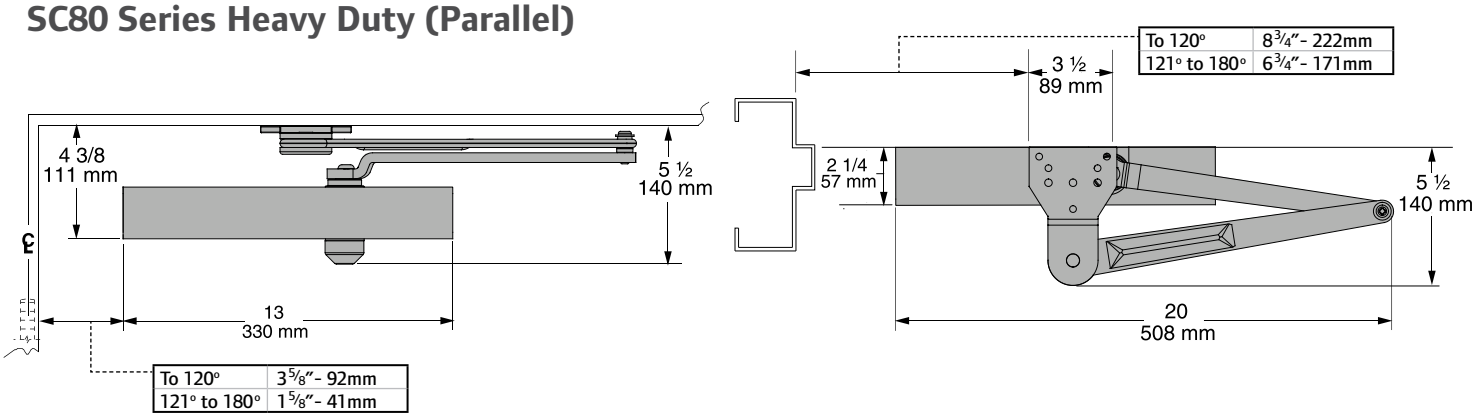
Auxiliary Stop is recommended at hold-open point or where a door cannot swing 180°.

Top Rail less than $4^{3}/_{8}$" (111mm) measured from stop requires plate SC80-18PA.

Delayed Action add suffix "DEL" to selected cylinder (ex. SC80 DEL). Delays closing from maximum opening to approximately 70°, with adjustable delay time.



SC80 Series Heavy Duty (Parallel)

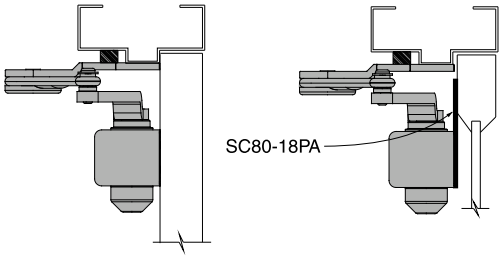


Butt Hinges should not exceed 5" (127mm) in width.

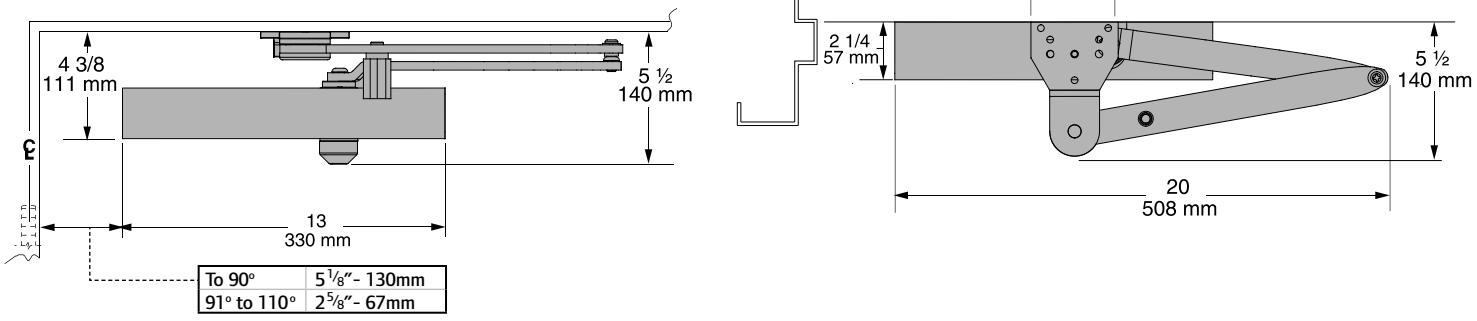
Auxiliary Stop is recommended at hold-open point, where a door cannot swing 180°, or where Dead Stop or Spring-n-Stop arm is not used.

Top Rail less than 4 3/8" (111mm) measured from stop requires plate SC80-18PA.

Delayed Action add suffix "DEL" to selected cylinder (ex. SC80 DEL). Delays closing from maximum opening to approximately 70°, with adjustable delay time.



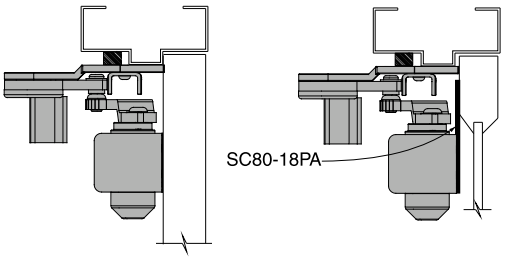
SC80 Series Dead Stop HO (Parallel)



Butt Hinges should not exceed 5" (127mm) in width.

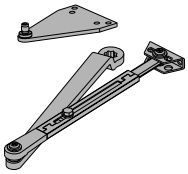
Top Rail less than 4 3/8" (111mm) measured from stop requires plate SC80-18PA.

Delayed Action add suffix "DEL" to selected cylinder (ex. SC80 DEL). Delays closing from maximum opening to approximately 70°, with adjustable delay time.

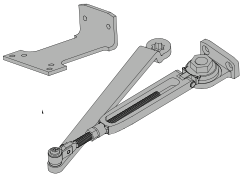


All SC80 Series closers come with slim cover, standard arm and screw pack.

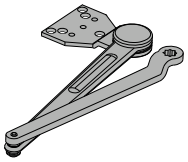
Arm Types



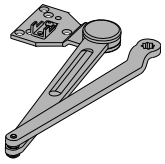
Regular Arm, SC80-3077PA
Non-handed arm with adjustable forearm assembly to accommodate a range of doors and frame reveal conditions. Mounts hinge side, top jamb or parallel arm. PA shoe included to allow installation in a parallel arm configuration.



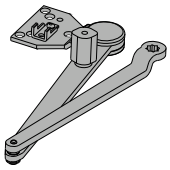
Hold-Open Regular Arm, SC80-3049PA
Optional, non-handed, hold open arm with adjustable forearm assembly to accommodate a range of doors and frame reveal conditions. Mounts hinge side, top jamb or parallel arm. PA shoe included to allow installation in a parallel arm configuration.



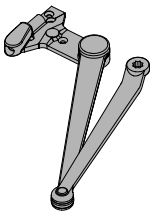
Heavy Duty Arm, SC80-3077HD
Optional, non-handed, stamped, heavy duty, parallel arm for use in high-traffic applications.



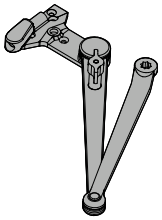
Dead Stop Arm, SC80-3077DS
Optional, non-handed, stamped, heavy duty, parallel arm includes a positive mechanical stop and non-adjustable forearm assembly for high volume traffic or potentially abusive installation conditions.



Dead Stop Hold-Open Arm, SC80-3049DS
Optional, non-handed, stamped, heavy duty, hold-open parallel arm includes a positive mechanical stop and non-adjustable forearm assembly for high volume traffic or potentially abusive installation conditions. Also includes a manually selective hold-open function.



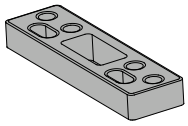
Spring-n-Stop Arm, SC80-3077SS
Optional, non-handed, extra heavy-duty, forged parallel arm includes an integral spring stop and non-adjustable forearm assembly for high volume traffic or potentially abusive installation conditions.



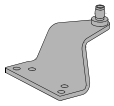
Spring-n-Stop Hold-Open Arm, SC80-3049SS
Optional, non-handed, extra heavy-duty, forged parallel arm includes an integral spring stop and non-adjustable forearm assembly for high volume traffic or potentially abusive installation conditions. Also includes a manually selective hold-open function.

Installation Accessories

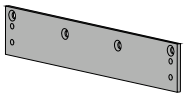
Soffit Shoe Support, SC80-30
Provides anchorage for fifth screw used with soffit shoe, where reveal is less than $3^{1}/_{16}$" (78mm).



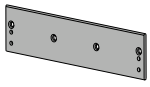
Blade Stop Spacer, SC80-61
Required to lower parallel arm shoe to clear $^{1}/_{2}$"(13mm) blade stop.



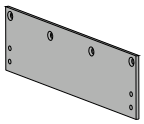
Auxiliary Shoe, SC80-62A
Requires a top rail of 7" (178mm). Optional shoe replaces PA shoe for parallel arm mounting of regular arm with overhead holder/stop.



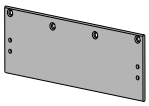
Plate, SC80-18
Required for top jamb mounting where head frame is less than $1^{3}/_{4}$" (44mm) or flush ceiling conditions exists.



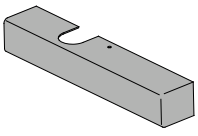
Plate, SC80-18FC
Required for top jamb mounting where head frame is less than $1^{3}/_{4}$" (44mm) or flush ceiling conditions exist. To be used with a full cover SC80-72FC.



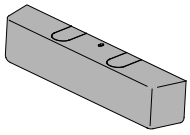
Plate, SC80-18PA
Required for parallel arm mounting where top rail is less than $4^{3}/_{8}$" (111 mm), measured from the stop. Plate requires $1^{7}/_{8}$" (48mm) minimum top rail measured from stop.



Plate, SC80-18PAFC
Required for parallel arm mounting where top rail is less than $4^{3}/_{8}$" (111mm), measured from the stop. Plate requires $1^{7}/_{8}$" (48mm) minimum top rail measured from stop. To be used with a full cover SC80-72FC.



Cover, SC80-72
Standard, non-handed, slim line plastic cover encloses the closer body with a cap on the unused pinion shaft.



Cover, SC80-72FC
Optional non-handed, full plastic cover encloses the closer body.

How to Order SC80 Series

Cylinder | Size | Cover | Finish | Arm | Accessories

STD	Standard
DEL	Delay
1-6	SC81
Slim	SC80-72
Full	SC80-72FC (optional, please specify)
Aluminum	
Dark Bronze	
Brass	
Rw/PA	Regular with Parallel Arm Shoe
Hw/PA	Hold Open with Parallel Arm Shoe
HD	Heavy Duty Arm
DS	Dead Stop Arm
DS/HO	Dead Stop Hold Open Arm
SS	Spring Stop Arm
SS/HO	Spring Stop Hold Open Arm
Soffit Shoe Support	SC80-30
Blade Stop Spacer	SC80-61
Auxiliary Shoe	SC80-62A
Plate	SC80-18
Plate - Full Cover	SC80-18FC
Plate PA	SC80-18PA
Plate PA - Full Cover	SC80-18PAFC

How to Order SC90 Series

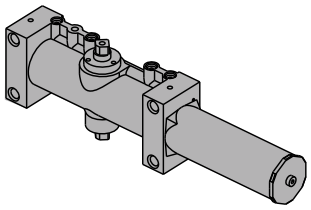
Cylinder | Size | Cover | Finish | Arm | Accessories

STD	Standard
1	SC91
3	SC93
4	SC94
Full	SC90-72 (optional, available with SC93/94 only, please specify)
Aluminum	
Dark Bronze	
Brass	
Rw/PA	Regular with Parallel Arm Shoe
Hw/PA	Hold Open with Parallel Arm Shoe
Plate	SC90-18 (available with SC93/94 only)
Plate PA	SC90-18PA (available with SC93/94 only)

How to Order OHC100 Series

Cylinder | Size | Arm Finish | Arm | Accessories

STD 90°	Standard	**STD 105°**	Standard
HO 90°	Hold Open	**HO 105°**	Hold Open
3	OHC100	Fixed	
2-4	OHC100A	Adjustable	
Aluminum			
Dark Bronze			
S	Side Load Arm		
A	End Load Arm		
VO	Offset Arm and Track		
FK Bracket			
AFK Bracket			
GE Pivot (not available with VO arm type)			
DP Pivot (not available with VO arm type)			



SC70 Series

Falcon SC70 Series heavy duty closers are built for busy commercial applications that demand reliable door control and easy maintenance. Designed for use with aluminum storefronts, SC70 Series closers are ANSI Grade 1, ADA compliant and deliver tough performance. Choose the SC70 for interior or exterior doors in retail shops, restaurants and small offices.

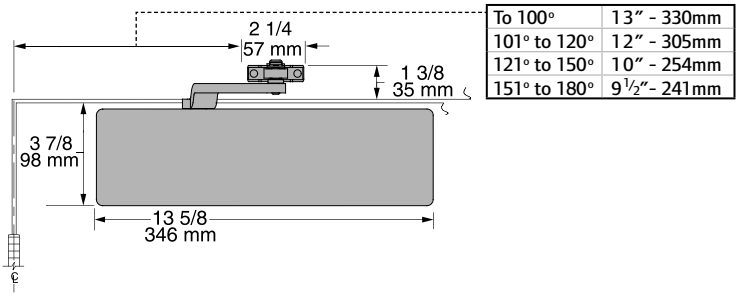
Standard Features

- Meets ANSI A117.1
- ANSI/BHMA A156.4, Grade 1
- UL Listed
- 1 1/2" diameter piston
- Closer mounts hinge side, top jamb or parallel arm when either the Rw/PA or Hw/PA arm is specified.
- Adjustable sizes 1-6
- Single piece cast aluminum body
- Staked valves
- Non-handed for left or right swinging doors
- Fast and easy installation
- Separate adjustable general speed, latch speed and backcheck
- Heat-treated forged steel piston
- Double heat-treated pinion
- Cover is high-impact UL Listed fire retardant plastic that meets UL 10C and UBC 7-2 (1997) fire test
- UL 10C approved fluid
- Universal screw pack
- 10-year warranty

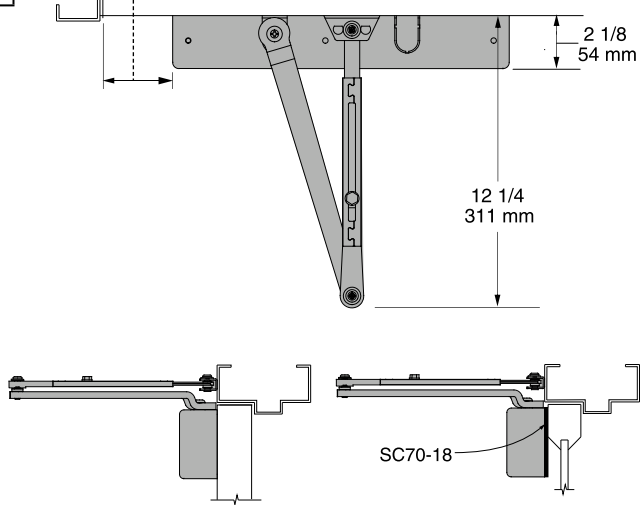
Listings and Certifications

The Falcon SC71 is UL approved and compliant with the UL 10C and UBC 7-2 (1997) fire test. Additionally, the SC71 is rated ANSI/BHMA A156.4, Grade 1 and designed to meet the American Disabilities Act (ADA) and ANSI A117.1

SC70 Series Hinge (Pull Side)



To 100°	13" - 330mm
101° to 120°	12" - 305mm
121° to 150°	10" - 254mm
151° to 180°	9 1/2"- 241mm



To 100°	6 15/16"- 176mm
101° to 120°	5 15/16"- 125mm
121° to 150°	3 15/16"- 100mm
151° to 180°	3 7/16" - 87mm

Butt Hinges should not exceed 5" (127mm) in width.

Auxiliary Stop is recommended at hold-open point or where a door cannot swing 180°.

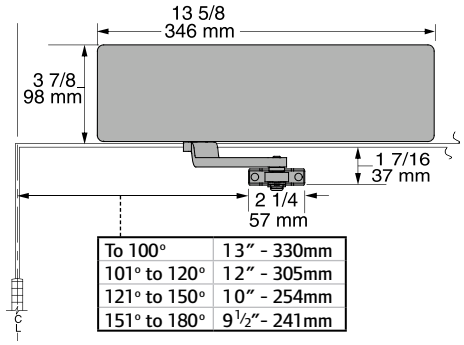
Reveal should not exceed 3/4" (19mm) for regular arm or hold-open arm.

Top Rail less than 3 7/8" (98mm) requires plate SC70-18.

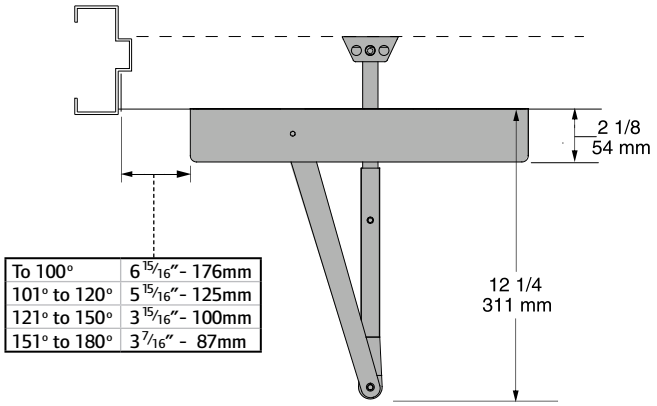
Clearance of 2 1/8" (54mm) behind door required for 90° installation.

Delayed Action add suffix "DEL" to selected cylinder (ex. SC70 DEL). Delays closing from maximum opening to approx. 70°, with adjustable delay time.

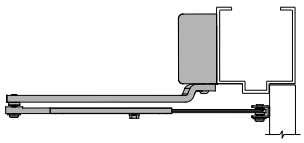
SC70 Series Top Jamb (Push Side)

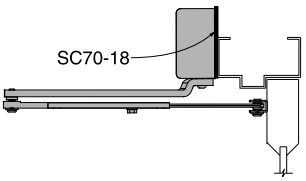


To 100°	13″ - 330mm
101° to 120°	12″ - 305mm
121° to 150°	10″ - 254mm
151° to 180°	9 1/2″- 241mm



To 100°	6 15/16″- 176mm
101° to 120°	5 15/16″- 125mm
121° to 150°	3 15/16″- 100mm
151° to 180°	3 7/16″ - 87mm





Butt Hinges should not exceed 5″ (127mm) in width.

Auxiliary Stop is recommended at hold-open point or where a door cannot swing 180°.

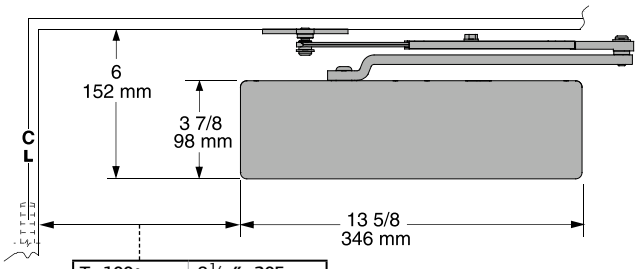
Reveal should not exceed 3 1/4″ (83mm) for regular arm or hold-open arm.

Top Rail of 1 1/2″ (38mm) required.

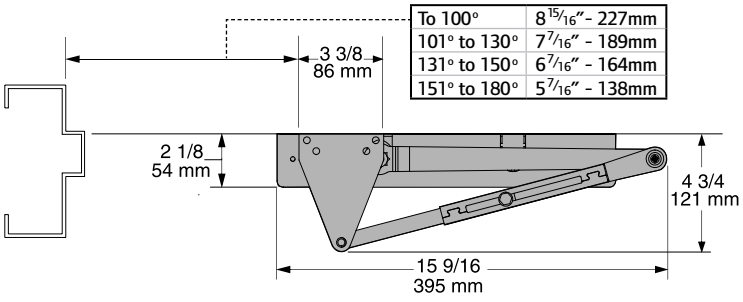
Head Frame less than 3 7/8″ (98mm) requires plate SC70-18.

Delayed Action add suffix "DEL" to selected cylinder (ex. SC70 DEL). Delays closing from maximum opening to approx. 70°, with adjustable delay time.

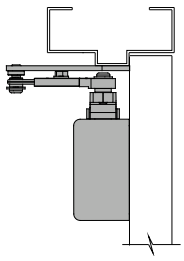
SC70 Series Parallel (Push Side)

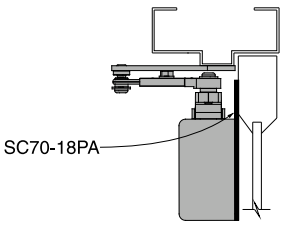


To 100°	8 1/16″- 205mm
101° to 130°	6 9/16″- 167mm
131° to 150°	5 9/16″- 141mm
151° to 180°	4 9/16″- 116mm



To 100°	8 15/16″- 227mm
101° to 130°	7 7/16″ - 189mm
131° to 150°	6 7/16″ - 164mm
151° to 180°	5 7/16″ - 138mm





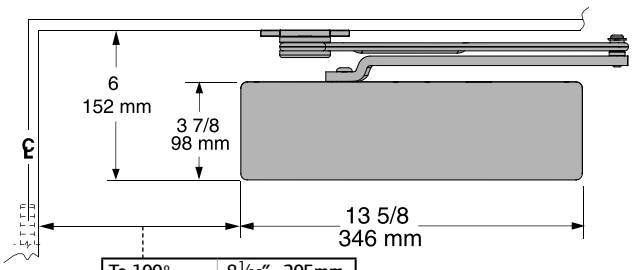
Butt Hinges should not exceed 5″ (127mm) in width.

Auxiliary Stop is recommended at hold-open point or where a door cannot swing 180°.

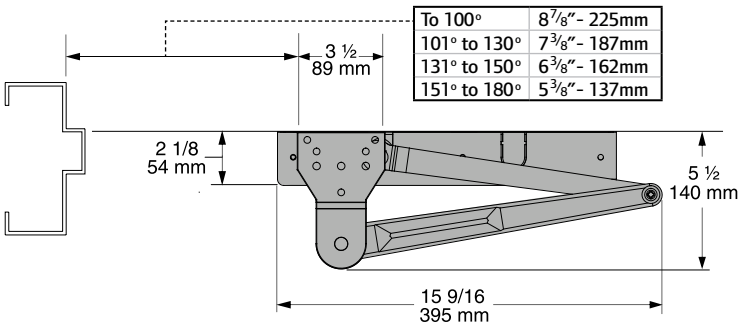
Top Rail less than 6″ (152mm) measured from stop requires plate SC70-18PA.

Delayed Action add suffix "DEL" to selected cylinder (ex. SC70 DEL). Delays closing from maximum opening to approx. 70°, with adjustable delay time.

SC70 Series Heavy Duty (Parallel)



To 100°	8 1/16"- 205mm
101° to 130°	6 9/16"- 167mm
131° to 150°	5 9/16"- 141mm
151° to 180°	4 9/16"- 116mm



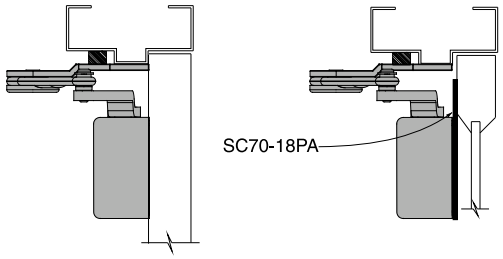
To 100°	8 7/8"- 225mm
101° to 130°	7 3/8"- 187mm
131° to 150°	6 3/8"- 162mm
151° to 180°	5 3/8"- 137mm

Butt Hinges should not exceed 5" (127mm) in width.

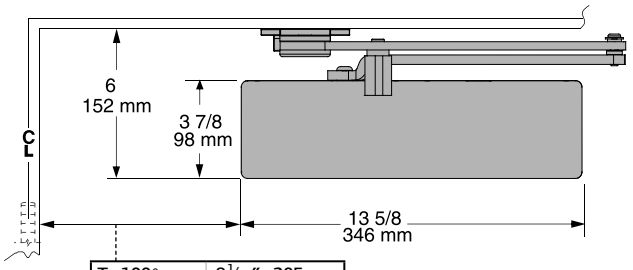
Auxiliary Stop is recommended at hold-open point, where a door cannot swing 180°, or where Dead Stop or Spring-n-Stop arm is not used.

Top Rail less than 6" (152mm) measured from stop requires plate SC70-18PA.

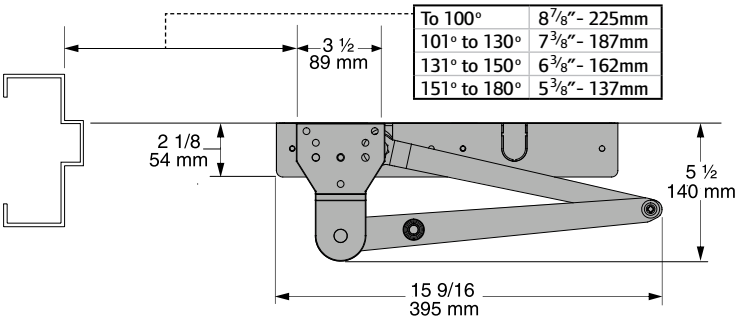
Delayed Action add suffix "DEL" to selected cylinder (ex. SC70 DEL). Delays closing from maximum opening to approx. 70°, with adjustable delay time.



SC70 Series Dead Stop HO (Parallel)



To 100°	8 1/16"- 205mm
101° to 130°	6 9/16"- 167mm
131° to 150°	5 9/16"- 141mm
151° to 180°	4 9/16"- 116mm

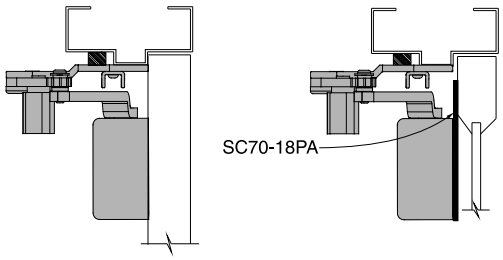


To 100°	8 7/8"- 225mm
101° to 130°	7 3/8"- 187mm
131° to 150°	6 3/8"- 162mm
151° to 180°	5 3/8"- 137mm

Butt Hinges should not exceed 5" (127mm) in width.

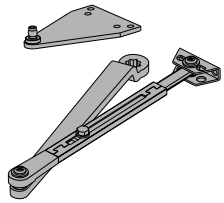
Top Rail less than 6" (152mm) measured from stop requires plate SC70-18PA.

Delayed Action add suffix "DEL" to selected cylinder (ex. SC70 DEL). Delays closing from maximum opening to approx. 70°, with adjustable delay time.

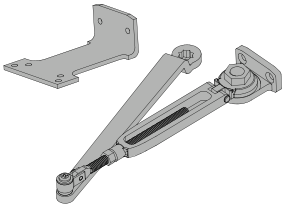


All SC70 Series closers come with full cover, standard arm and screw pack.

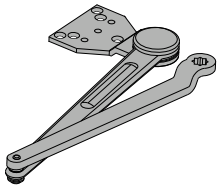
Arm Types



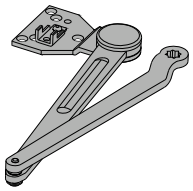
Regular Arm, SC70-3077PA
Non-handed arm with adjustable forearm assembly to accommodate a range of doors and frame reveal conditions. Mounts hinge side, top jamb or parallel arm. PA shoe included to allow installation in a parallel arm configuration.



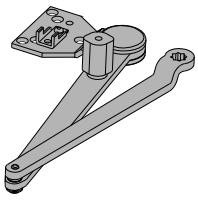
Hold-Open Arm, SC70-3049PA
Optional, non-handed, hold open arm with adjustable forearm assembly to accommodate a range of doors and frame reveal conditions. Mounts hinge side, top jamb or parallel arm. PA shoe included to allow installation in a parallel arm configuration.



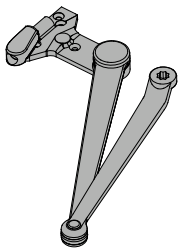
Heavy Duty Regular Arm, SC70-3077HD
Optional, non-handed, stamped, heavy duty, parallel arm for use in high-traffic applications.



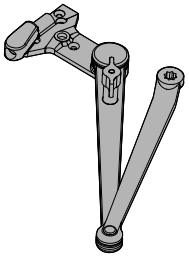
Dead Stop Arm, SC70-3077DS
Optional, non-handed, stamped, heavy duty, parallel arm includes a positive mechanical stop and non-adjustable forearm assembly for high volume traffic or potentially abusive installation conditions.



Dead Stop Hold-Open Arm, SC70-3049DS
Optional, non-handed, stamped, heavy duty, hold-open parallel arm includes a positive mechanical stop and non-adjustable forearm assembly for high volume traffic or potentially abusive installation conditions. Also includes a manually selective hold-open function.

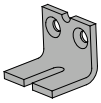


Spring-n-Stop Arm, SC70-3077SS
Optional, non-handed, extra heavy-duty, forged parallel arm includes an integral spring stop and non-adjustable forearm assembly for high volume traffic or potentially abusive installation conditions.

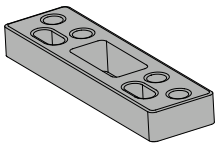


Spring-n-Stop Hold-Open Arm, SC70-3049SS
Optional, non-handed, extra heavy-duty, forged parallel arm includes an integral spring stop and non-adjustable forearm assembly for high volume traffic or potentially abusive installation conditions. Also includes a manually selective hold-open function.

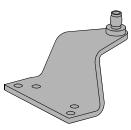
Installation Accessories



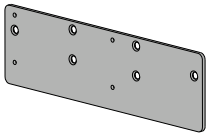
Soffit Shoe Support, SC70-30
Provides anchorage for fifth screw used with soffit shoe, where reveal is less than $3^{1}/_{16}$″ (78mm).



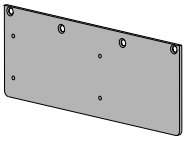
Blade Stop Spacer, SC70-61
Required to lower parallel arm shoe to clear $^{1}/_{2}$″ (13mm) blade stop.



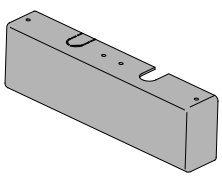
Auxiliary Shoe, SC70-62A
Requires a top rail of 7″ (178mm). Optional shoe replaces PA shoe for parallel arm mounting of regular arm with overhead holder/stop.



Plate, SC70-18
Required for hinge side mount where top rail is less than $3^{7}/_{8}$″ (98mm). Required for top jamb mounting where head frame is less than $3^{7}/_{8}$″ (98mm).



Plate, SC70-18PA
Required for parallel arm mounting where top rail is less than 6″ (152 mm), measured from the stop. Plate requires $1^{3}/_{4}$″ (44mm) minimum top rail measured from stop.



Cover, SC70-72
Standard, non-handed, full plastic cover encloses the closer body.

How to Order SC60 Series

Cylinder	Size	Cover	Finish	Arm	Accessories

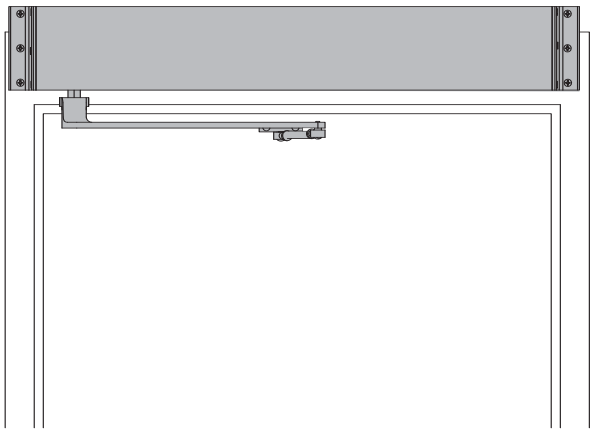
STD	Standard
DEL	Delay (optional, available with SC60/61 only, please specify)
1-4	SC61
2-5	SC60
4	SC64
5	SC65
Slim	SC60-72 (optional, available with SC60/61 only, please specify)
Aluminum	
Dark Bronze	
Brass	
Rw/PA	Regular with Parallel Arm Shoe
Hw/PA	Hold Open with Parallel Arm Shoe
HD	Heavy Duty Arm
DS	Dead Stop Arm
DS/HO	Dead Stop Hold Open Arm
SS	Spring Stop Arm
SS/HO	Spring Stop Hold Open Arm
Soffit Shoe Support	SC60-30
Blade Stop Spacer	SC60-61
Auxiliary Shoe	SC60-62A
Plate	SC60-18
Plate PA	SC60-18PA

How to Order SC70 Series

Cylinder	Size	Cover	Finish	Arm	Accessories

STD	Standard
DEL	Delay
1-6	SC71
Full	SC70-72
Aluminum	
Dark Bronze	
Brass	
Rw/PA	Regular with Parallel Arm Shoe
Hw/PA	Hold Open with Parallel Arm Shoe
HD	Heavy Duty Arm
DS	Dead Stop Arm
DS/HO	Dead Stop Hold Open Arm
SS	Spring Stop Arm
SS/HO	Spring Stop Hold Open Arm
Soffit Shoe Support	SC70-30
Blade Stop Spacer	SC70-61
Auxiliary Shoe	SC70-62A
Plate	SC70-18
Plate PA	SC70-18PA

SINGLE DOOR, SURFACE MOUNT (PUSH) OFFSET PIVOT/BUTT HINGE



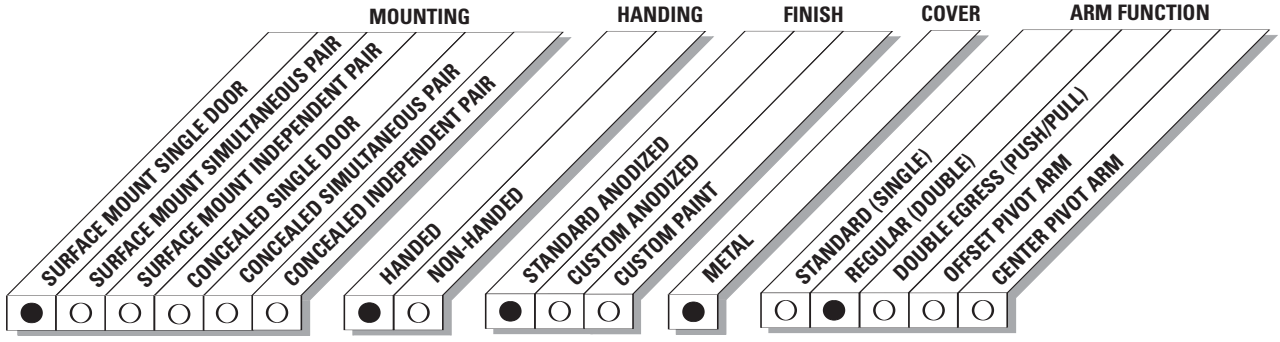
FEATURES

The 9540 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operators when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- **Push 'N Go permits non-switch activation**
- **Power Boost provides additional latching force**
- **Electromechanical unit with microprocessor control**
- **Digital keypad for easy setup**
- **Meets International Building Code requirements and ANSI A156.19**
- **UL approved for fire doors**

- 9540 series operator is shipped with motor gearbox, control box, regular arm, header, and mounting hardware. Actuators available separately, see page 121.
- Single door, surface mounted.
- Meets ADA requirements (power mode only).
- Handed product.
- 36" header length is standard. Specify length 33" to 49" max.
- Double door header available up to 98", specify other length 49" to 98" max. Consult factory regarding this option.
- Adjustable hold open period of 1 to 32 seconds in automatic or manual mode.

9540 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 9540 Series is UL listed for fire-rated applications. The 9540 Series also meets the provisions of the Americans with Disabilities Act.



● AVAILABLE

○ NOT AVAILABLE

LCN CLOSERS
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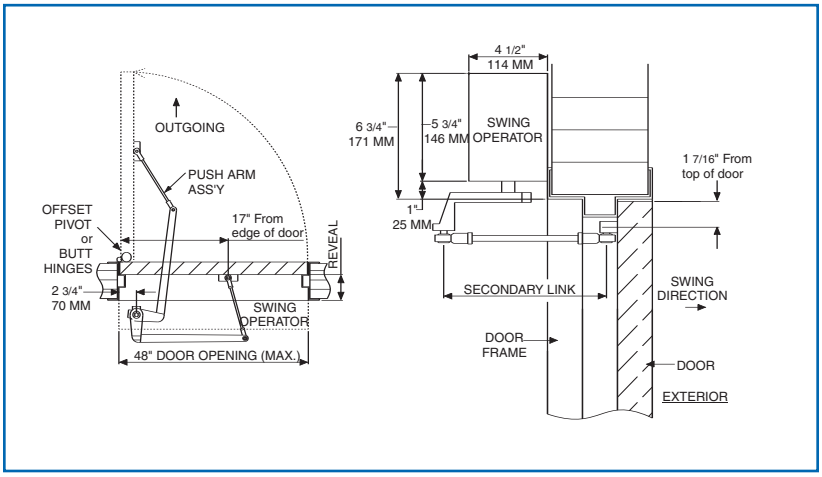
LCN 9540 SERIES

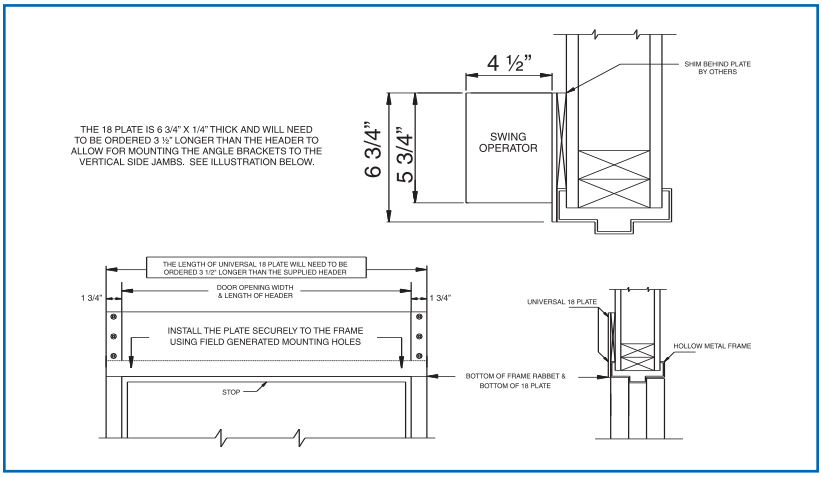
TOP JAMB SINGLE DOOR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PUSH) MOUNTI

Consult factory for all balance door installations.



HOLLOW METAL FRAME

Suggested Installation


THE 18 PLATE IS 6 3/4" X 1/4" THICK AND WILL NEED TO BE ORDERED 3 ½" LONGER THAN THE HEADER TO ALLOW FOR MOUNTING THE ANGLE BRACKETS TO THE VERTICAL SIDE JAMBS. SEE ILLUSTRATION BELOW.
4 ½"
SHIM BEHIND PLATE BY OTHERS
6 3/4"
5 3/4"
SWING OPERATOR
THE LENGTH OF UNIVERSAL 18 PLATE WILL NEED TO BE ORDERED 3 1/2" LONGER THAN THE SUPPLIED HEADER
DOOR OPENING WIDTH & LENGTH OF HEADER
1 3/4"
1 3/4"
INSTALL THE PLATE SECURELY TO THE FRAME USING FIELD GENERATED MOUNTING HOLES
STOP
UNIVERSAL 18 PLATE
HOLLOW METAL FRAME
BOTTOM OF FRAME RABBET & BOTTOM OF 18 PLATE

MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Reveal** for push installations should not exceed 10" (254 mm) for REGULAR ARM and 20" (508 mm) for LONG ARM.
- **Head Frame** minimum 1 3/4" (44 mm). Face frame 6 3/4" (171 mm) total operator clearance.
- **Top Rail** minimum 2 3/4" (70 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **System Diagram** see "AUTOMATIC OPERATORS" section pages 52-54 for typical system wiring and page 55 for electrical data.
- Please consult your local SSC representative or LCN for assistance with specific installations and material requirements.

Special Templates
Customized installation templates or products may be available to solve unusual applications. Contact LCN for assistance.

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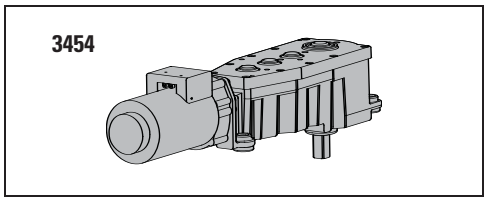
MOTOR GEARBOX

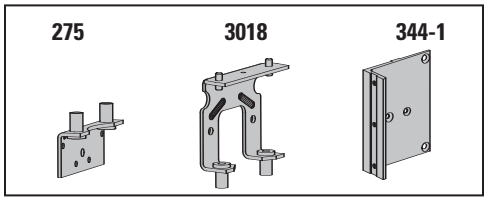
MOTOR GEARBOX (STANDARD FORCE) – SENIOR SWING, 9540-3454
Driving mechanism for operator. Provides 15lbs opening force. Handed.



MOUNTING BRACKET

MOUNTING BRACKET – 2 3/4", 9540-275
Motor gearbox mounting bracket for 2 3/4" offset pivot or butt hinge installations. Front bracket.

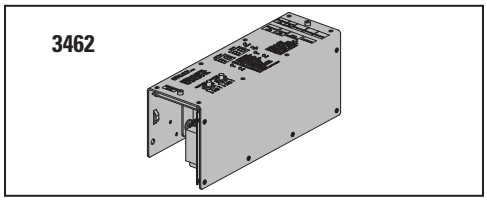
REAR MOUNT BRACKET, 9540-3018
Motor gearbox mounting bracket. Rear bracket.



ANGLED BRACKET, 9540-334-1
Mounting bracket for surface applications.

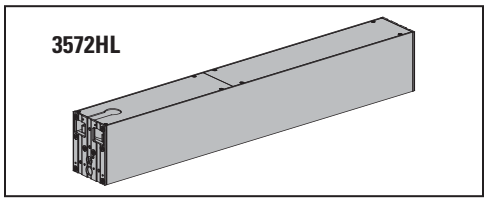
CONTROL BOXES

CONTROL BOX – SENIOR SWING, 9540-3462
Electronic controlling device for Senior Swing.

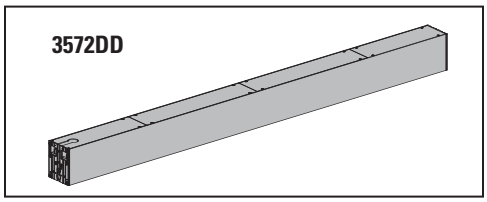


HEADERS

Header, 9540-3572HL
Standard, mounting header. Single door, single operator. Specify length 30"to 49" maximum.



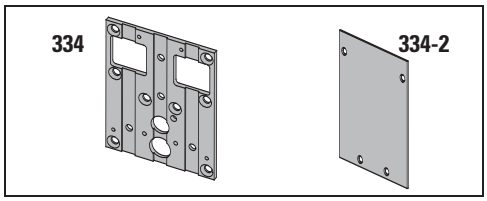
Header, 9540-3572DD
Standard, mounting header. Double door, single operator. Specify length 49"to 98" maximum.



END CAPS

HEADER END CAPS, 9540-334
End cap with openings for wiring.

END DRESS PLATE, 9540-334-2
Metal finish end cap.



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LCN 9540 SERIES

ARMS

REGULAR ARM ASSEMBLY, 9540-3077
Handed arm.

REGULAR LONG ARM ASSEMBLY, 9540-3077L
Handed arm.

MAIN ARM, 9540 -77
Handed arm attaches to motor gearbox.

LINKAGE ASSEMBLY – 15", 9540-79
Threaded rod attaches to door. Extends from main arm.

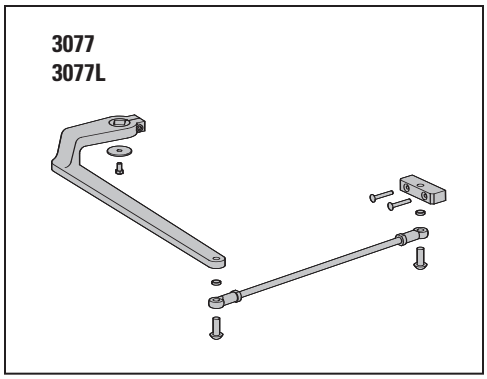
LINKAGE ASSEMBLY – 32", 9540-79LR
Threaded long rod attaches to door. Extends from main arm. Used for reveal 10" to 20".

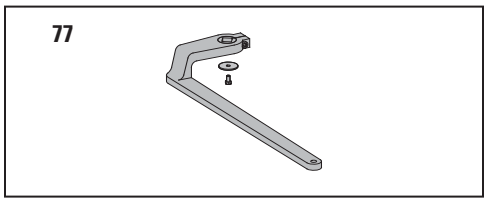
INSTALLATION ACCESSORIES

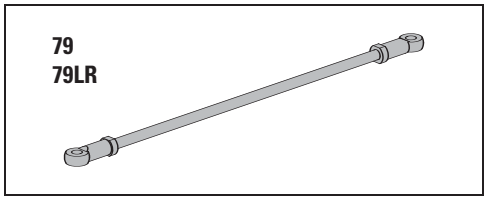
SPINDLE PLATE – 2 3/4", 9540-11A
Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 2 3/4" offset pivot or butt hinge installations.

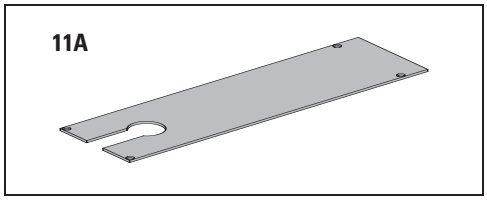
FILLER PLATE BLANK, 9540-12
Completes length of header box. (Specify Length)

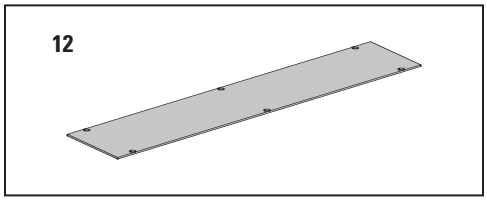
MOUNTING PLATE, 9540-18
Optional mounting plate for standard hollow metal door frames. Specify length 33" to 98" maximum.
NOTE: The length of a universal 18 plate will need to be ordered 3 1/2" longer than the supplied header.











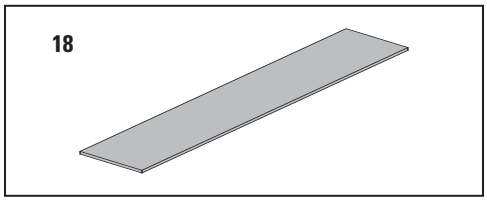


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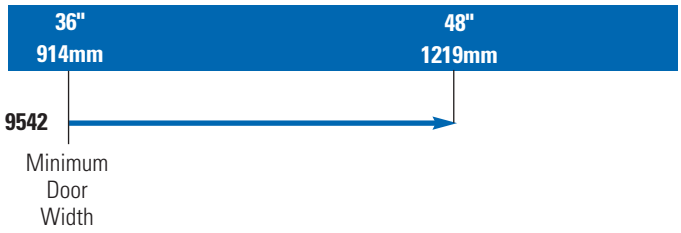
TABLE OF SIZES

→ Indicates recommended range of door width for operator.

Note: For all Senior Swing Series

Single Door - Width per leaf 36" minimum, 48" maximum

DOOR WIDTH



HOW-TO-ORDER 9540 SERIES OPERATORS

1. SPECIFY HAND

☐ RH

☐ LH

2. SPECIFY FINISH.

☐ Standard Anodized Finish _____
Aluminum or Dark Bronze

Operator will be shipped with:

-STANDARD MOTOR GEARBOX (SF)

-STANDARD CONTROL BOX (SC)

-36" HEADER (36HL)

-REGULAR ARM (3077)

-2 3/4" PIVOT POINT

-WOOD and MACHINE SCREW PACK

Unless options listed below are selected.

OPERATOR OPTIONS

HEADER

☐ HL __ (Specify length 36" to 49")

☐ DD__ (Specify length 49" to 98")

MOUNTING PLATE

☐ Plate, ____ (Specify Length 30" to 98")

ARM

☐ Long Arm (3077L)

FINISH

SPECIAL TEMPLATE

☐ ST-_____

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LCN ELECTROMECHANICAL POWERED SYSTEMS

ELECTROMECHANICAL AUTOMATIC OPERATORS

LCN's electromechanical products are designed primarily for automatic opening applications that occasionally require manual opening. A control box provides all electrical functions. These self-contained units are suitable for use on single leaf doors or pair of doors. These products combine all the control and power elements into a single operator package, only some actuators are required to complete the system.

- Surface mounted and overhead concealed mountings available.
- Available in two standard anodized finishes – aluminum and dark bronze.

LOW ENERGY ELECTROMECHANICAL POWER OPERATORS

- Complies with ANSI 156.19
- Opening time from full close to backcheck is no faster than 3 seconds
- Less than 15lbs of force to open door manually

STANDARDS, LISTINGS & APPROVALS

- UL listed for self-closing doors without hold open. UL 325.
- Tested and certified under ANSI.
- Low Energy Electromechanical Operators ANSI 156.19
- ADA Compliant. Applicable to Low Energy Electromechanical Operators only.
- Wiring is compliant with both UL 325 and the NEC. Separation of high and low voltage.
- Consult the factory for other listings.

WARRANTY

- 2 year limited warranty. See General Section for complete details

MAINTENANCE

Low Energy Electromechanical Power Operators

- Operators mounted according to the LCN Installation instructions require no periodic maintenance or adjustments.
- Monthly, quarterly and annual visual inspections are recommended.
- No service contracts.

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LCN ELECTROMECHANICAL POWERED SYSTEMS

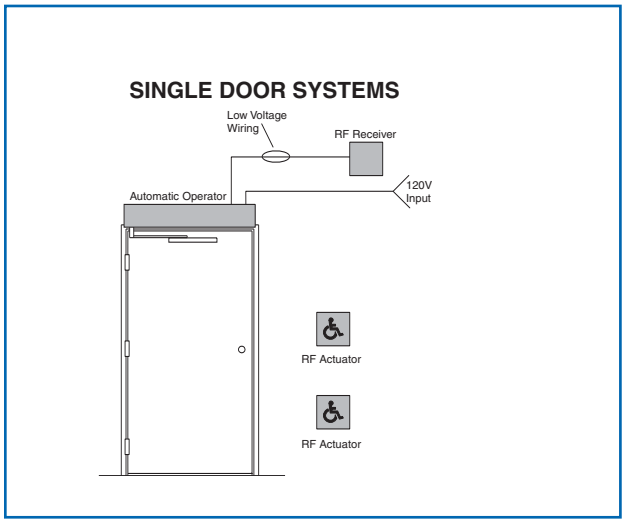
This page illustrates examples of typical Electromechanical LCN systems. Please consult your local SSC representative of LCN for assistance with specific installations and material requirements.

SINGLE DOOR SYSTEM (Low Energy)

- An Interior Door.
- No guide rails or safety devices.
- Free Swinging (or Dogged) Door.

How It Works

Wireless RF actuators with receiver, powered by the transformer allows for easy installation. For automatic door operation, touching either actuator signals the receiver and power operator to open the door to 90 degrees. The door is held there until the system times out. Door closes via spring return. Door opening speed, closing speed and hold open time is adjustable on the control box. If not actuated, the power operator functions as a manual door.



BILL OF MATERIALS

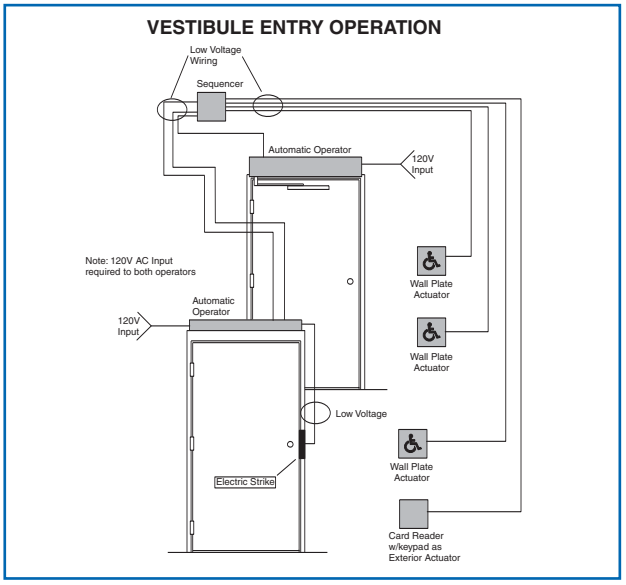
Qty.	Part No.	Description
1	9531	Automatic Operator (RH)
2	8310-3853WS	RF Actuators
1	8310-865	RF Receiver

VESTIBULE ENTRY SYSTEM (Low Energy)

- Exterior & Vestibule doors.
- Sequential Operation.
- No guide rails or safety devices.
- Controlled Access, Free Egress.

How It Works

This installation provides both accessibility and security for building occupants. It allows for the integration of multiple automatic operators, a card reader and electric strike. A sequencer allows sequential operation of the two automatic operators. Vestibule actuators allow single door ingress/egress from the vestibule as needed. If not actuated the power operator functions as a manual door.



BILL OF MATERIALS

Qty.	Part No.	Description
1	9542	Automatic operator (RH)
1	9531	Automatic operator (RH)
3	8310-853	Wall Plate Actuators
1	8310-845	Sequencer

Other products from Von Duprin and Schlage

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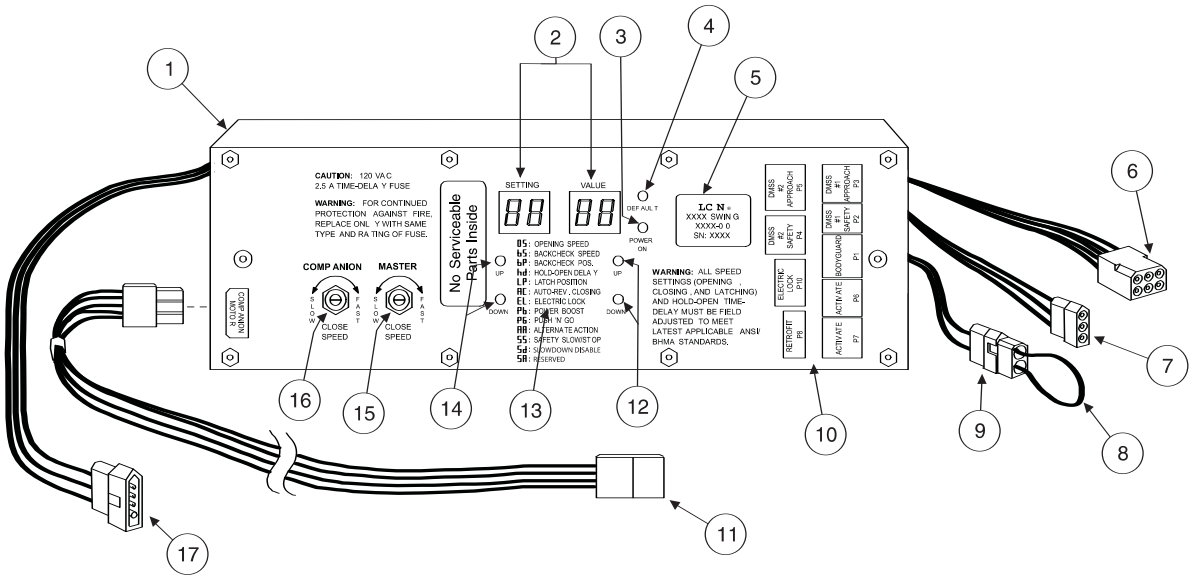
LCN ELECTROMECHANICAL POWERED SYSTEMS

CONTROL BOX - 2800, 9500 SERIES



1. Control Box, 115V
2. Seven Segment Display
3. Power Indicator
4. Factory Default Push Button
5. Model Identification Label
6. 6-Pin Connector for Master Motor
7. 3-Pin Connector for 3 Position Switch
8. Breakaway Jumper Cable
9. 2-Pin Connector for Breakaway Switch
10. Accessory Direct Connect Diagram
11. 6-Pin Connector for Companion Motor (supplied only w/ simultaneous pairs)
12. Value Adjustment Push Buttons
13. Setting Adjustment Menu
14. Function Adjustment Push Buttons
15. Closing Speed Adjustment Dial (Master)
16. Closing Speed Adjustment Dial (Companion)
17. 3-Pin Connector for AC power

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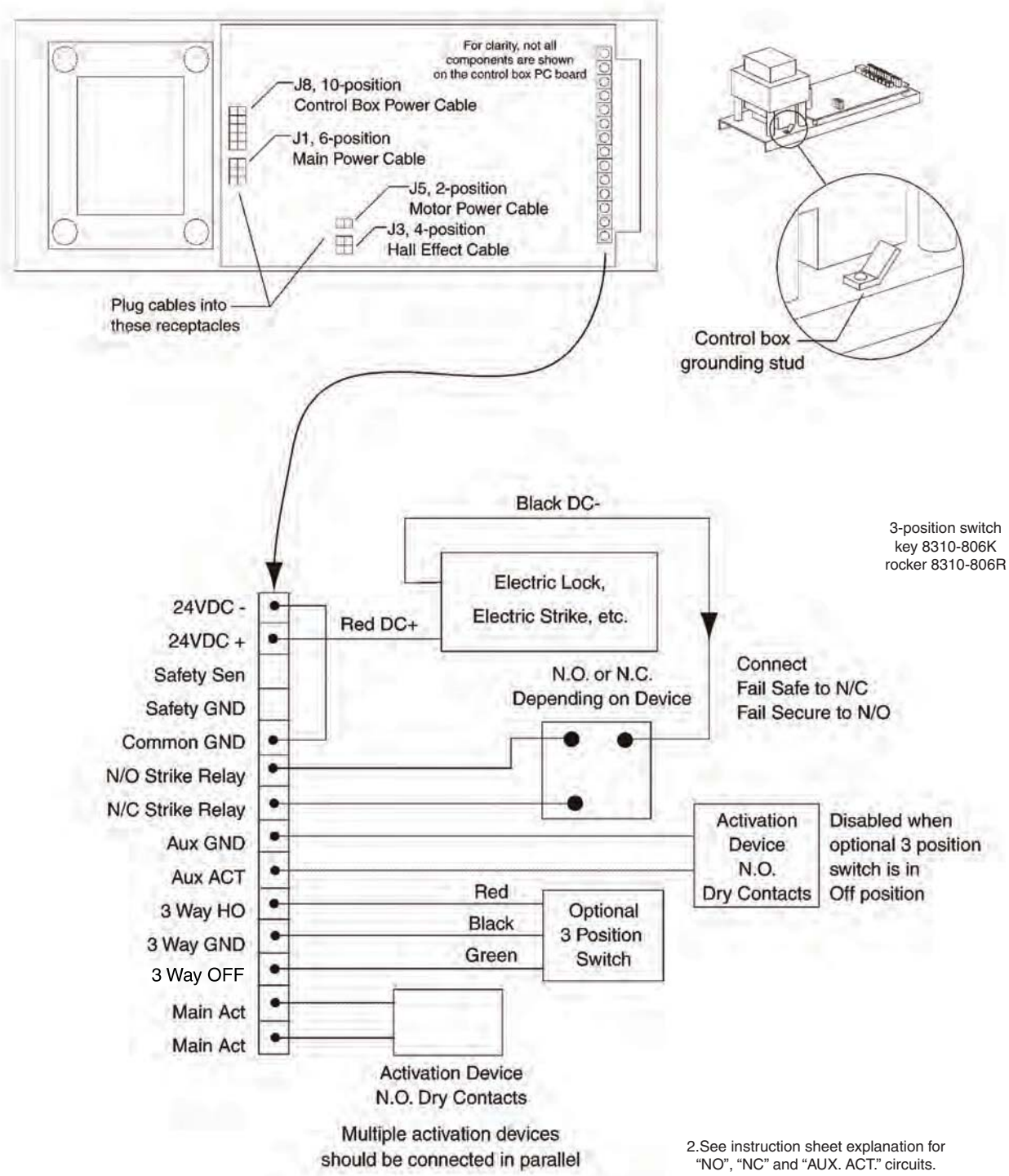
LCN ELECTROMECHANICAL POWERED SYSTEMS

PREMIUM CONTROL BOX - 9100 SERIES


For clarity, not all components are shown on the control box PC board
J8, 10-position Control Box Power Cable
J1, 6-position Main Power Cable
J5, 2-position Motor Power Cable
J3, 4-position Hall Effect Cable
Plug cables into these receptacles
Control box grounding stud
Black DC-
Electric Lock, Electric Strike, etc.
Red DC+
24VDC -
24VDC +
Safety Sen
Safety GND
Common GND
N/O Strike Relay
N/C Strike Relay
Aux GND
Aux ACT
3 Way HO
3 Way GND
3 Way OFF
Main Act
Main Act
N.O. or N.C. Depending on Device
Connect Fail Safe to N/C Fail Secure to N/O
3-position switch key 8310-806K rocker 8310-806R
Activation Device N.O. Dry Contacts
Disabled when optional 3 position switch is in Off position
Red
Black
Green
Optional 3 Position Switch
Activation Device N.O. Dry Contacts
Multiple activation devices should be connected in parallel
2.See instruction sheet explanation for "NO", "NC" and "AUX. ACT." circuits.

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GENERAL ELECTRICAL DATA

1. Input power 115 volt, 3 wire, single phase, 60Hz, fused, 15 amp supply.
2. UL approved type flexible conduit is recommended for the 115 volt power line.
3. The 115 volt power supply must be a dedicated circuit from the main circuit breaker panel and must not be connected into a building lighting system operating fluorescent lights.
4. Location of conduits determined by mounting. See installation instructions for location.

2800, 9500 Series

ELECTRICAL DATA

1. 120 VAC input @ 2.5 amps (2800, and 9500 Series).
2. 24 V AC output @ 1.5 amps (protected by self-resetting thermal fuse).
3. 24 V DC available with SO kit included.

9100 Series

ELECTRICAL DATA

1. 120 VAC input @ 1 amp.
2. 24 VDC output @ 2.5 amps on premium control box.

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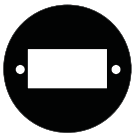
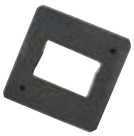
8310 Series Actuator Accessories

February 2008

8310-800



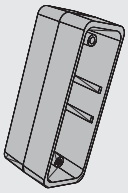
8310-801



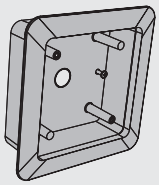
8310-802

8310-819F

8310-819S



8310-867F



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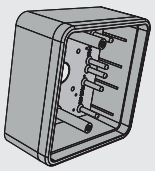
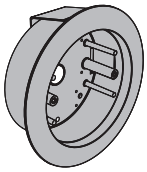


8310-868F



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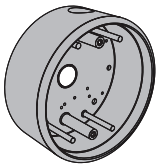

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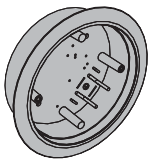

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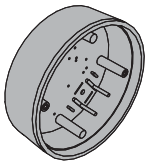
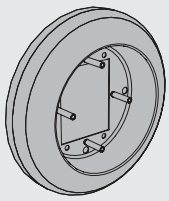
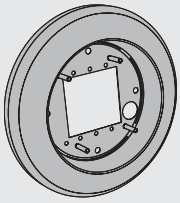


8310-874



8310-876



AUTOMATIC OPERATOR ACTUATORS & ACCESSORIES

8310 Series 6" Surface and Flush mounts

WALL MOUNTED ACTUATOR, 8310-852
Hardwired low voltage actuator with round, stainless steel touch plate in 6" (152mm) diameter. Engraved blue filled handicap symbol conforms to most accessibility codes. Designed to mount in a flush or surface mount box (sold separately) in/on a vertical surface near the controlled door. Optional mounting in single gang electrical box (by others) or double gang box (4" x 4" by others). Heavy industrial grade components provide vandal resistant mounting and weather resistant switch standard.

WALL MOUNTED ACTUATOR, 8310-852T
Same as the 8310-852, with the added engraving of "Push to Open"

WALL MOUNTED ACTUATOR, 8310-852WP
Wireless, low profile, low voltage actuator with round, stainless steel touch plate in 6" (152mm) diameter. Engraved blue filled handicap symbol conforms to most accessibility codes. Surface mount box includes integral transmitter w/ battery and actuator switch. Heavy industrial grade components provide vandal resistant mounting and weather resistant switch standard.

WALL MOUNTED ACTUATOR, 8310-852TWP
Same as the 8310-852WP, with the added engraving of "Push to Open"

FLUSH MOUNT BOX, 8310-869F
Rugged Plastic Box, 6" Round. Optional accessory - Can be used w/ any 6" round actuator

SURFACE MOUNT BOX, 8310-869S
Rugged Plastic Box, 6" Round. Optional accessory - Can be used w/ any 6" round actuator

WEATHER RING, 8310-802
Plastic Weather Ring, 6" Round. Optional accessory - Can be used w/ any 6" round actuator

TRANSMITTER, 8310-844
Transmitter, Wireless, 1 Channel, 9v battery included. Use to convert standard wall mount actuator to wireless. Requires 8310-865 Receiver

RECEIVER, 8310-865
Receiver, Wireless, 1 Channel, w/ Sequencing Feature Used in conjunction w/ Wireless Actuators & Transmitter(s)

ESCUTCHEON, 8310-876
Tapered stainless steel escutcheon covers the gap between the wall and the back of the wall plate actuators when mounted in electrical boxes(by others) to minimize cart damage or vandalism. Optional accessory - Can be used w/ any 6" round actuator

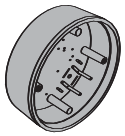
852

852T

852WP

852TWP

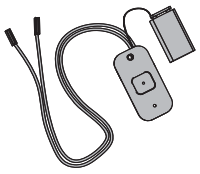
869F



869S

802

844



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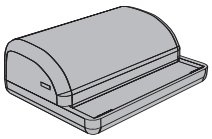

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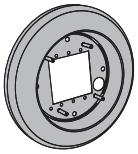

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AUTOMATIC OPERATOR ACTUATORS & ACCESSORIES

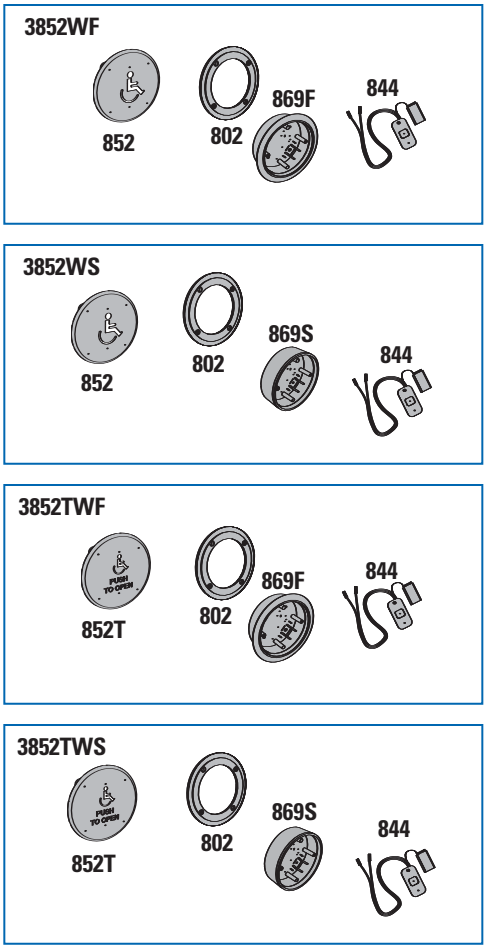
8310 Series 6" Surface and Flush mounts

FLUSH MOUNT KIT, 8310-3852WF
6" Round, Logo, Wireless,
Includes 8310-852 Actuator, 8310-844 Transmitter,
8310-869F Flush Box, 8310-802 Weather Ring.
Requires 8310-865 Receiver (not part of kit)

SURFACE MOUNT KIT, 8310-3852WS
6" Round, Logo, Wireless,
Includes 8310-852 Actuator, 8310-844 Transmitter,
8310-869S Surface Box, 8310-802 Weather Ring.
Requires 8310-865 Receiver (not part of kit)

FLUSH MOUNT KIT, 8310-3852TWF
6" Round, Logo, Text, Wireless,
Includes 8310-852T Actuator, 8310-844 Transmitter,
8310-869F Flush Box, 8310-802 Weather Ring.
Requires 8310-865 Receiver (not part of kit)

SURFACE MOUNT KIT, 8310-3852TWS
6" Round, Logo, Text, Wireless,
Includes 8310-852T Actuator, 8310-844 Transmitter,
8310-869S Surface Box, 8310-802 Weather Ring.
Requires 8310-865 Receiver (not part of kit)



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8310 Series 6" Surface and Flush mounts

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WALL MOUNTED ACTUATOR, 8310-852T
Same as the 8310-852, with the added engraving of "Push to Open"

WALL MOUNTED ACTUATOR, 8310-852WP
Wireless, low profile, low voltage actuator with round, stainless steel touch plate in 6" (152mm) diameter. Engraved blue filled handicap symbol conforms to most accessibility codes. Surface mount box includes integral transmitter w/ battery and actuator switch. Heavy industrial grade components provide vandal resistant mounting and weather resistant switch standard.

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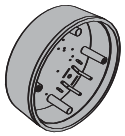
852

852T

852WP

852TWP

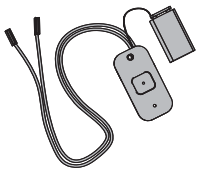
869F



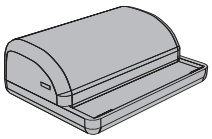
869S

802

844



865



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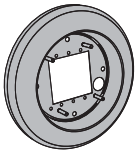


PHONE 800-526-2400
FAX 800-248-1460
www.lcn.ingersollrand.com
3/10

AUTOMATIC OPERATOR ACTUATORS & ACCESSORIES

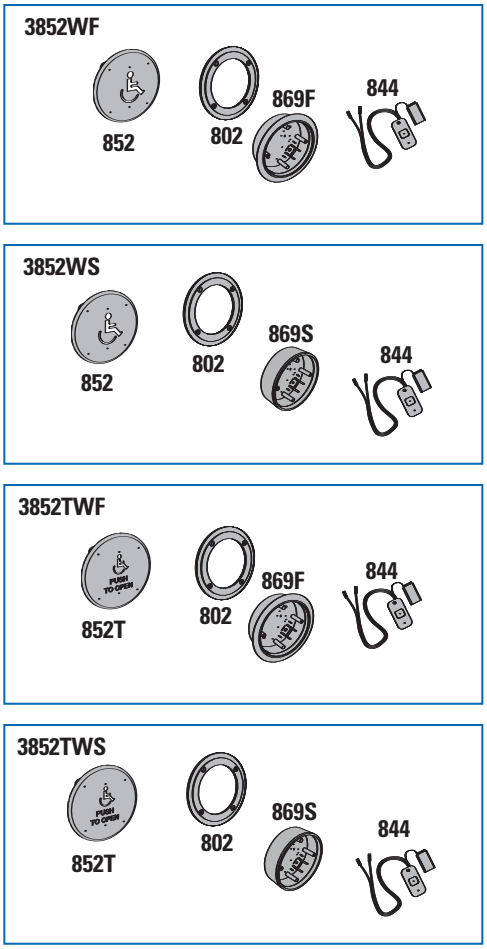
8310 Series 6" Surface and Flush mounts

FLUSH MOUNT KIT, 8310-3852WF
6" Round, Logo, Wireless,
Includes 8310-852 Actuator, 8310-844 Transmitter,
8310-869F Flush Box, 8310-802 Weather Ring.
Requires 8310-865 Receiver (not part of kit)

SURFACE MOUNT KIT, 8310-3852WS
6" Round, Logo, Wireless,
Includes 8310-852 Actuator, 8310-844 Transmitter,
8310-869S Surface Box, 8310-802 Weather Ring.
Requires 8310-865 Receiver (not part of kit)

FLUSH MOUNT KIT, 8310-3852TWF
6" Round, Logo, Text, Wireless,
Includes 8310-852T Actuator, 8310-844 Transmitter,
8310-869F Flush Box, 8310-802 Weather Ring.
Requires 8310-865 Receiver (not part of kit)

SURFACE MOUNT KIT, 8310-3852TWS
6" Round, Logo, Text, Wireless,
Includes 8310-852T Actuator, 8310-844 Transmitter,
8310-869S Surface Box, 8310-802 Weather Ring.
Requires 8310-865 Receiver (not part of kit)



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8400 Series Protection Plates

- Door protection plates are available in .050″ thick brass, stainless steel or aluminum; and 1/8″ thick high impact polyethylene in clear or black.
- Bevel edge options; specify B4E for all four edges.
- Mounting screw pack furnished standard, 16 screws per pack. Optional screw packs are available for TEK or TORK screw heads. Refer to the following chart for ordering.
- Specify NMH for no mounting holes.
- Specify NMH-A for no mounting holes with adhesive.
- Specify CS for counter sunk mounting holes.
- Specify ERS prepped with extra row of screws.

Kickplate Gasket Tape Tape is recommended when using a brass plate on a metal door to reduce tarnishing from electrolytic oxidation. One tape pack will cover an the perimeters of a 8″ x 34″ kickplate. Order 8401 Gasket Tape.

8400 Protection Plate
8402 (UL)* Protection Plate

**UL mark appears in upper right corner.*

Number of screw packs required by plate size (specify TEK Screws or TORK screws).

	22"-25"	26"-33"	34"-41"	42"-48"
4"-8"	1	1	1	1
9"-16"	1	1	1	1
17"-24"	1	1	1	2
25"-32"	1	1	2	2
33"-40"	1	2	2	2
41"-48"	2	2	2	2

Finishes *brass*

US Number	US3	US4	US10	US10B	US15	US26	US26D
BHMA	605	606	612	613	619	625	626

Finishes *stainless steel*

US Number	US32	US32D
BHMA	629	630

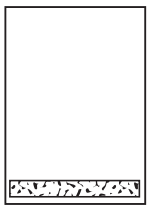
Finishes *aluminum*

US Number	US28
BHMA	628

Finishes *plastic*

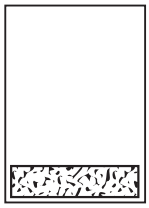
Clear and Black

Residential Grade Kickplates available Carded only, finishes PA28, PA3, PA619, PA716, B3, B505, B619, B716



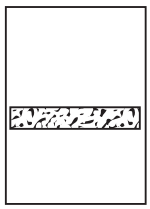
Mop Plates

- Protect the bottom of the pull side of door subject to cleaning and mopping procedures.
- Size Ranges:4" to 6" high, 22" to 48" wide



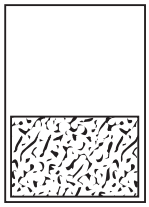
Kick Plates

- Protect the bottom of the push side of doors subject to scuffing from foot traffic.
- Recommended for all doors subject to normal use (especially doors using a closer).
- Size Ranges: 8" to 24" high, 22" to 48" wide



Stretcher Plates

- Protect doors at specific areas where consistent contact is made by stretchers, service carts or other equipment.
- Usually applied to push side of doors.
- Specify "B4E" Option for beveled edges.
- Size Ranges: 6" to 8" high, 22" to 48" wide



Armor Plates

- Protect lower half of doors from abuse by hard carts, trucks and rough usage.
- Usually applied to push side of single doors and both sides of double acting doors.
- Size Ranges: 26" to 48" high, 22" to 48" wide

Floor Stops – Dome

FS436 Dome Stop

Features:

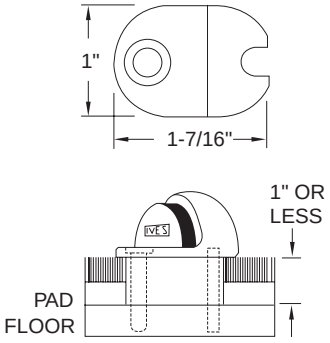
- For doors without threshold.
- Heavy-Duty Cast Dome Stops constructed of brass, bronze or aluminum.
- Gray, non-marring rubber bumper.
- Packed with wood screw and plastic anchor, specify Tampin (TPN) or lead expansion shield (LS), if required.
- Meets ANSI/BHMA 156.6, L12141 for brass or bronze and L32141 for aluminum.
- Finishes: US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D and US28.

Product No.	Overall Height	Base Height	Base Diameter
FS436	1"	3/16"	1-3/4" x 2" Oval

R435 Riser

Features:

- Extruded aluminum, mill finish.
- For conversion of FS436 Dome Stop to carpet installation.
- Packed with wood screws, lead shield and stud. Specify Tampin (TPN) if required.
- Available in 1/4", 3/8", 1/2", 5/8", 3/4" and 1" height.



Product No.	Size
R435	1" x 1-3/8" Oval

How to Order:

FS ___ - ___ - ___ - ___

Model:

436	Dome Stop Only
435	Riser Only
436 x 435	Dome Stop & Riser

Riser Size:

Blank	No riser
1/4	for 1/4"
3/8	for 3/8"
1/2	for 1/2"
5/8	for 5/8"
3/4	for 3/4"
1	for 1"

Finishes:

US3, US4, US5, US10, US10B, US14, US15, US15A, US26, US26D, US28

Mounting:

Blank	Standard
TPN	Tampin
LS	Lead Expansion Shield

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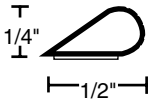
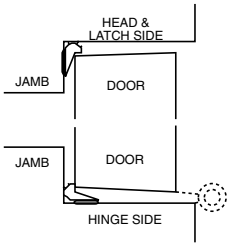
Toll Free Fax 1-800-255-7874

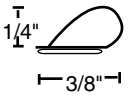
Self Adhesive Seals



Silicone

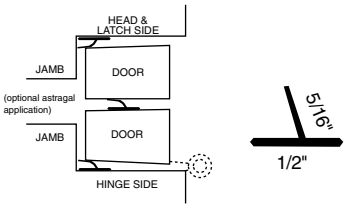


5050B Brown
5050C Charcoal
5050W White
5050T Tan
5050CL Clear



Silicone

2525B Brown
2525C Charcoal
2525W White
2525T Tan



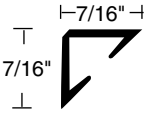
5060B Brown
5060CL Clear

*Edge Sealing System on 20 min rated wood doors up to 4'0 x 8'0 single, 8'0 x 8'0 std. pair with 9800 or 9500 at meeting edge.

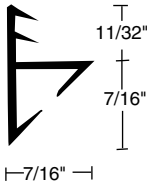
Available in 17', 20', 21', 25' and 300' rolls.

Available in 17', 20', 21', 25' and 300' rolls.

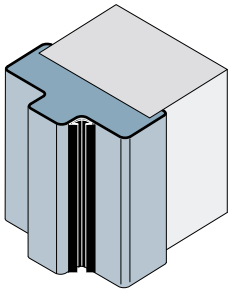
Available in 7', 8', 9', 17', and 21' rolls



5020B Brown
5020C Charcoal
5020W White



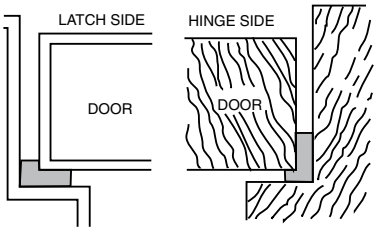
Kerf Application
5021B Brown
5021C Charcoal
5021W White



Available in 36", 48", 84", 96" and 108" lengths.

Neoprene Gasketing

		width	thickness
361	18', 21', 50' rolls	3/8"	x 3/16"
362	18', 50' rolls	1/2"	x 1/4"
363	18', 50' rolls	3/8"	x 1/8"



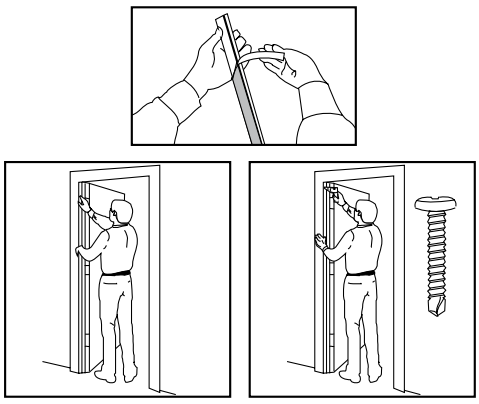
"FATT"

Fast Attach Two-Way Tape

Fast attach two way tape provides an easy and effective alternative to gasketing installation. A 1/2" wide 2-way tape is applied to the metal housing insuring a quick and easy installation. Then for security, 3 tek-type self drilling screws are used to further secure each piece of material to the frame stop. A no problem installation with no holes to drill.

To order add suffix "FATT" to product number. See price list for products available with this feature.

FATT IS NOT CLASSIFIED FOR USE ON FIRE DOORS.



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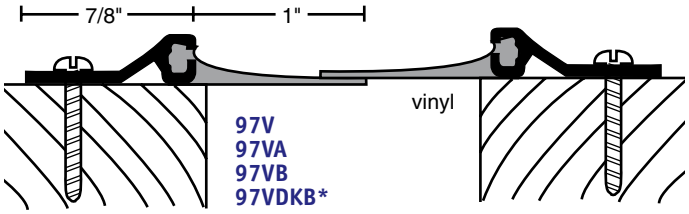
www.ngpinc.com

Toll Free Phone 1-800-647-7874
Toll Free Fax 1-800-255-7874

Astragal/Meeting Stile Gasketing

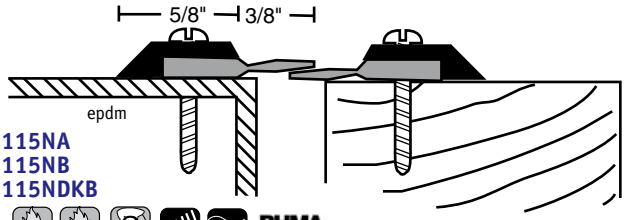
#6 x 3/4" Stainless Steel Sheet Metal Screws furnished.

Fire-rated Astragal Seals cannot replace any astragal required on the door to maintain its fire label. The gap at the latch between fire labeled doors must not exceed 1/8".



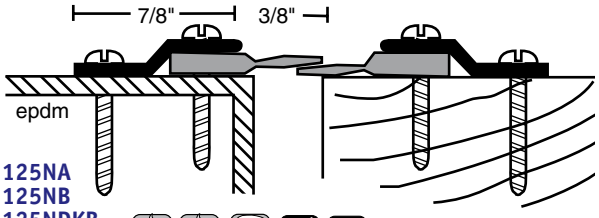
97V
97VA
97VB
97VDKB*

Order as **set** to receive two pieces



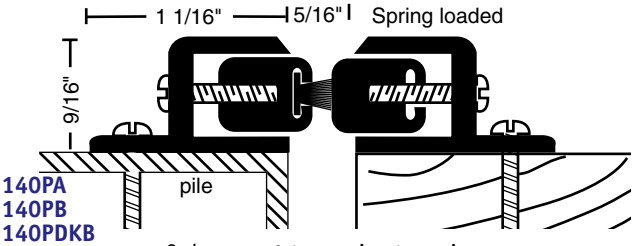
115NA
115NB
115NDKB

Order as **set** to receive two pieces



125NA
125NB
125NDKB

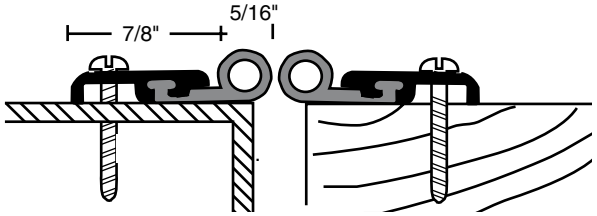
Order as **set** to receive two pieces



140PA
140PB
140PDKB

Order as **set** to receive two pieces

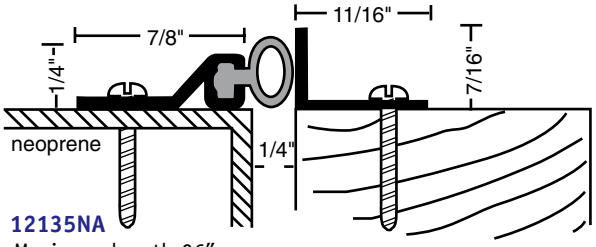
*up to 3 hrs. metal doors, 20 mins. wood doors



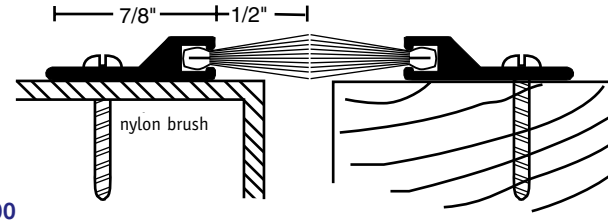
neoprene
137NA
137NB
137NDKB

Order as **set** to receive two pieces

silicone
137SA
137SB
137SDKB

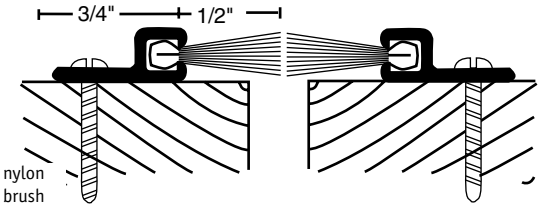


12135NA
Maximum length 96"



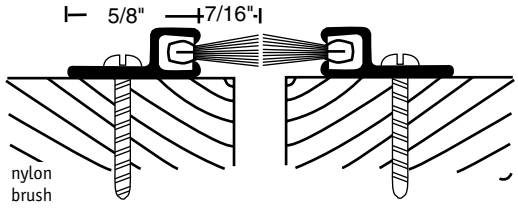
600
600A
600B
600DKB

Order as **set** to receive two pieces



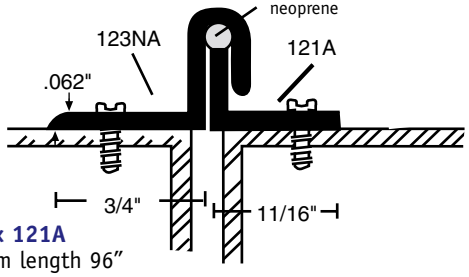
B606A
B606B
B606DKB

Order as **set** to receive two pieces



A605A
A605B
A605DKB

Order as **set** to receive two pieces



123NA x 121A
Maximum length 96"

E-mail: ngpinfo@ngpinc.com
www.ngpinc.com

A	- clear	EPDM, pile, silicone, vinyl are gray
B	- gold	exception: * vinyl is black
DKB	- dark bronze	neoprene, brush are black

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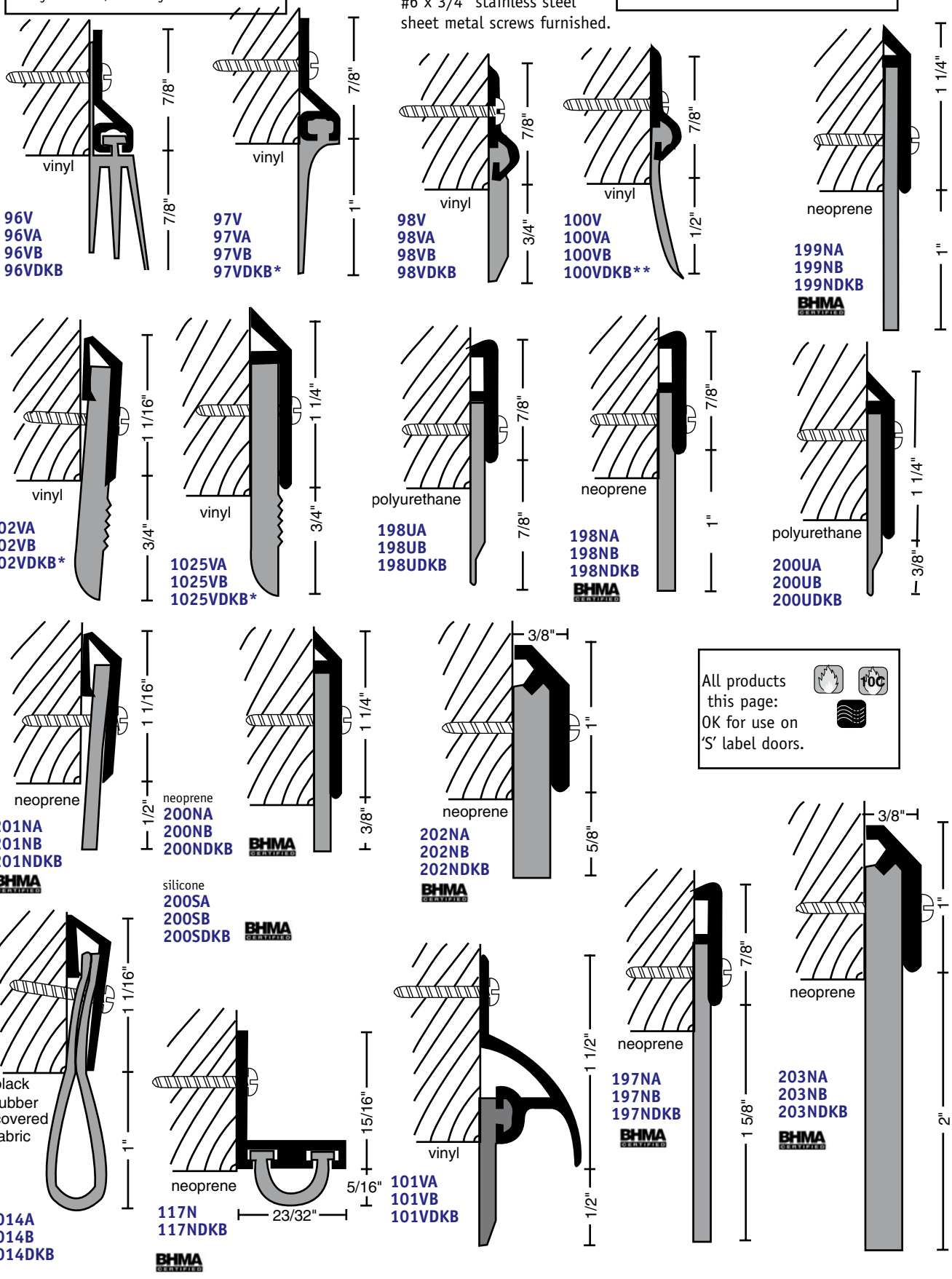
vinyl is gray. Exceptions:
*vinyl is black, ** vinyl is brown

#6 x 3/4" stainless steel sheet metal screws furnished.

neoprene, polyurethane are black silicone is gray



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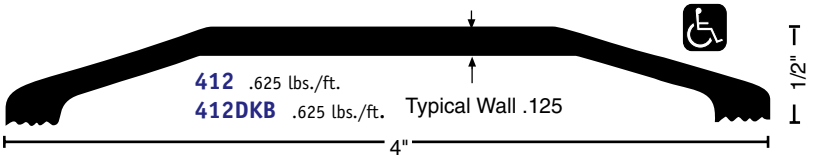
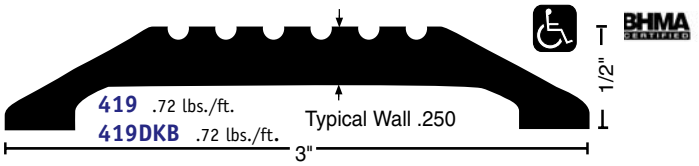
Toll Free Fax 1-800-255-7874

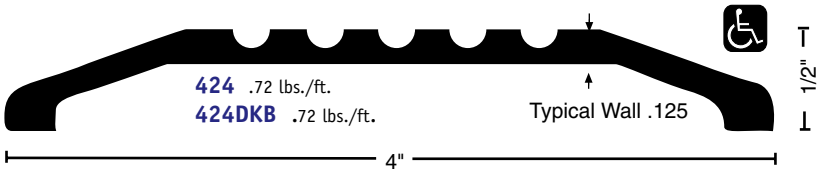
All thresholds this page. 10C

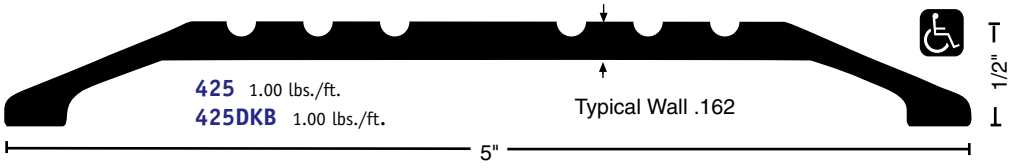
Thresholds are aluminum mill finish
DKB indicates aluminum with dark bronze finish.

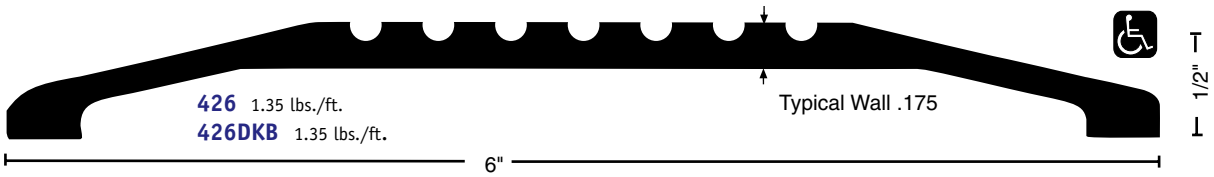
All drawings are actual size except as noted.

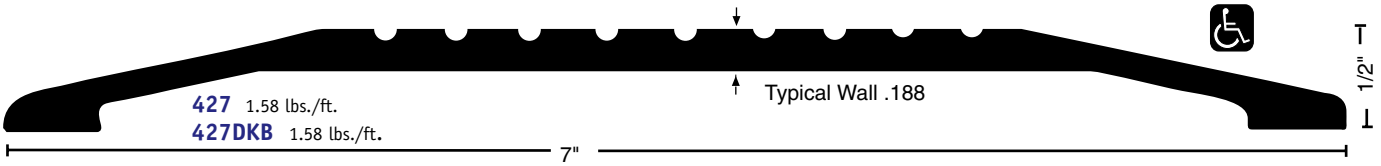


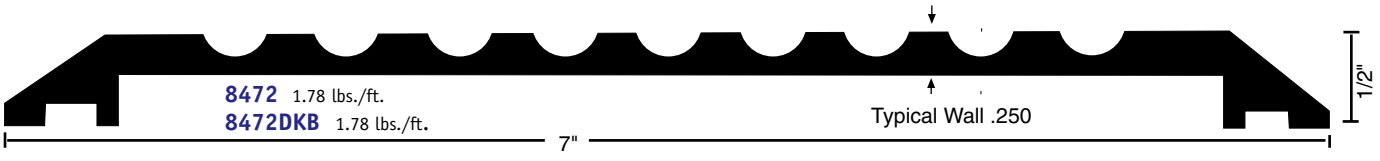


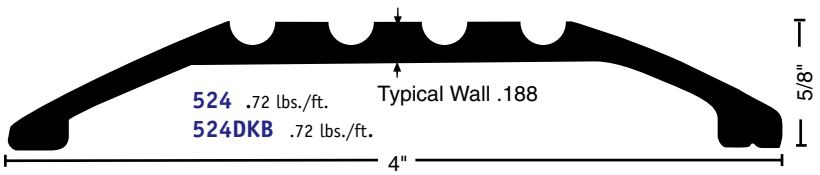


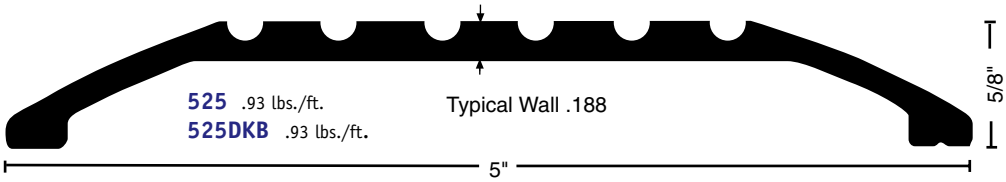












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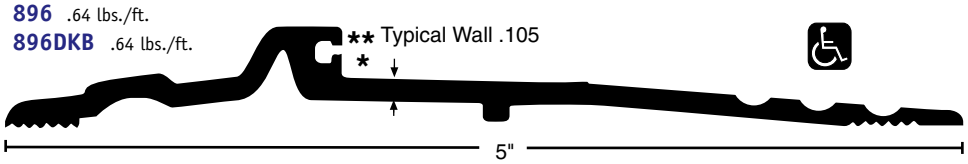
ADA COMPLIANT BUMPER SEAL THRESHOLDS

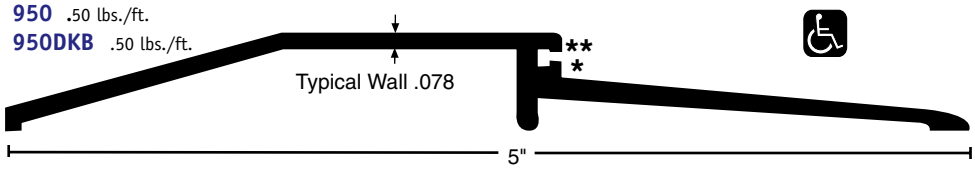
All drawings are actual size except as noted.

All thresholds this page.

896 .64 lbs./ft.
896DKB .64 lbs./ft.



950 .50 lbs./ft.
950DKB .50 lbs./ft.

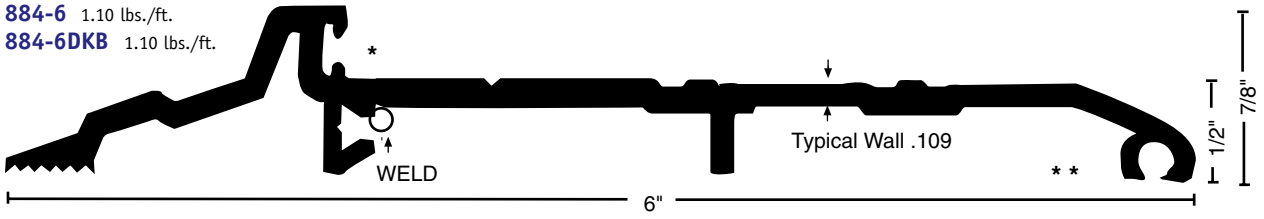


Excellent for use with Automatic Door Bottom

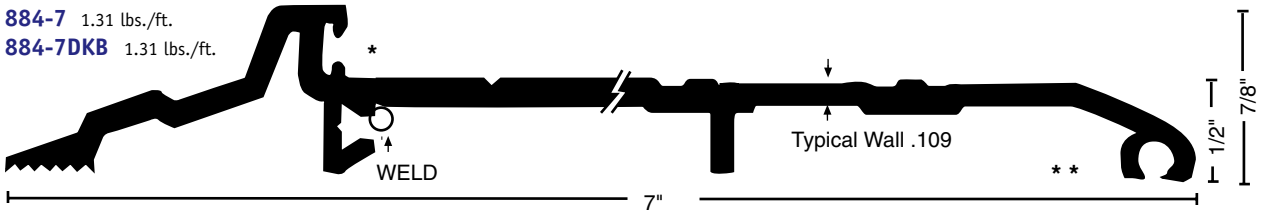
SLIP RESISTANT SURFACE
All thresholds are available with a slip resistant, non-skid surface. Specify "SIA" finish.

Bumper Seal
Bumper seal required to provide a seal against the door and increase the weather resistance of the threshold.
Vinyl ("V") added unless other material is specified.
Neoprene ("N"). Pile ("P"), Silicone ("S"). **Pile insert not available

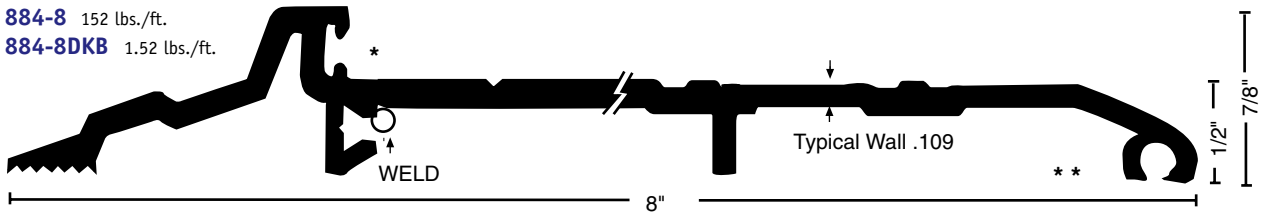
884-6 1.10 lbs./ft.
884-6DKB 1.10 lbs./ft.



884-7 1.31 lbs./ft.
884-7DKB 1.31 lbs./ft.



884-8 152 lbs./ft.
884-8DKB 1.52 lbs./ft.



1/2" added to thresholds under 61"
1" added to thresholds over 61"

Door Silencers

SR64

Features:

- For use on metal frames featuring pneumatic design that, once installed, forms an air pocket to absorb shock and reduce noise of door closing.
- Tamper-proof once installed on the frame.
- Proper installation also eliminates door rattle and provides constant tension for door latches or locks.
- Packed in bags of 100. Grey also available in bulk pack of 2500.
- Each bag has an installation tool included.
- Meets ANSI/BHMA 156.16, L03011.
- Finish: grey is standard. Black optional.

Product No.	Diameter	Thickness
SR64	1/2"	1/8"

SR65

Features:

- For use on wood frames, also feature pneumatic design to cushion shock and absorb noise.
- To prevent removal, a small brad should be driven into stop strip and through stem of silencer, as shown in the detail.
- Packed in bags of 100.
- Meets ANSI/BHMA 156.16, L03021
- Finish: grey.

Product No.	Height	Width	Thickness
SR64	3/4"	3/8"	1/8"

SR66

Features:

- Self Adhesive Rubber Silencers.
- Economical installation requires no drilling of frames.
- Packed in sheets of 100.
- Finishes: brown, grey, white.

Product No.	Diameter	Thickness
SR66	1/2"	1/8"

Keyswitch Access Devices

Patent #: 6689972

650 Series Keyswitches

Magnetic Spring Design provides ultimate installation flexibility

Available in six architectural finishes

5AMP@250VAC, dual voltage, SPDT contacts

653 Single Gang

653-NS Narrow Stile

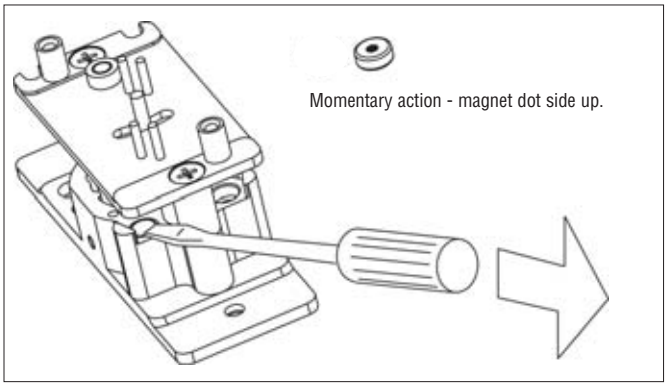
Schlage Locknetics 650 Series Keyswitches utilize an innovative magnetic spring design which allows installers to configure both clockwise and counterclockwise key turn direction as well as momentary or maintained action in seconds. Single gang and narrow stiles are available with numerous options which include: Heavy Duty Plate, Weather Resistant Cover (single gang size only), 2 LED lights - green/red, Anti-Tamper Switch and Schlage Everest Cylinder. In addition to the standard (626) Satin Chrome finish, there are five additional architectural finishes to choose from.

Benefits of Using Locknetics Keyswitch Access Devices

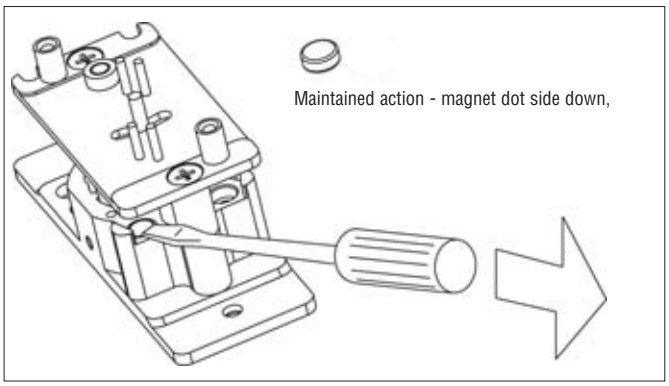
- *Easy to install and maintain*
- *Single gang and narrow stile offer ultimate flexibility*
- *Multiple options available for a wide variety of applications*

Innovative magnetic spring technology allows installers to configure models in seconds

Momentary Action



Maintained Action



Keyswitch Access Devices

650 Series Keyswitches

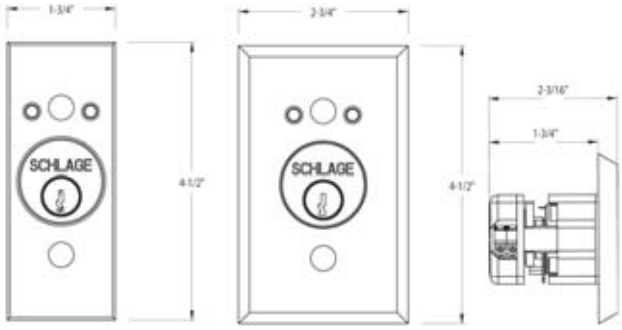
How To Order 650 Series Keywitches

653-04 – ATS – SF-605

Select Model
Select Option
Select Finish

1. Select Model

653-04	SPDT maintained single direction
653-05	SPDT momentary single direction
653-14	DPDT maintained single direction
653-15	DPDT momentary single direction
653-1414	(2) DPDT maintained bi-direction
653-1415	DPDT maintained x DPDT momentary
653-1515	(2) DPDT momentary bi-direction
653-041	SPDT maintained x key remove one position
653-0404	(2) SPDT maintained bi-direction
653-0405	SPDT maintained x SPDT momentary
653-141	DPDT maintained x key remove one position
653-0505	(2) SPDT momentary bi-direction



653-NS Narrow Stile ***653 Single Gang***

2. Select Option

L2	2 LEDs green and red, dual voltage
NS	Narrow Stile - stainless steel plate (1¾" x 4½")
ATS	Anti-Tamper Switch
HDP	Heavy Duty Plate 1/4" thick cast zinc (standard 626 Satin Chrome Finish with anti tamper plugs)
WP	Weather Resistant Cover fits 1⅛" cylinder only (not available with NS and L2 Options)
CYL	1-1/4" Schlage Everest® Mortise Cylinder & 1/8" spacer ring (keyed different)
CYL-KA	1-1/4" Schlage Everest Mortise Cylinder & 1/8" spacer ring (keyed alike)

Note: 650 Series Keyswitches operate with either a 1-1/8˝ or 1-1/4˝ cylinder having a straight type cam. 1-1/4˝ cylinders require a 1/8˝ blocking/spacer ring (included with the CYL and CYL-KA options).

3. Select Finish

SF-626	Satin Chrome ***(standard)***
SF-605	Bright Brass
SF-612	Satin Bronze
SF-613	Oil Satin Bronze
SF-625	Bright Chrome
SF-2	Black Powder Coat

Specifications:

Standard keyswitch
5 amp@250 VAC,
dual voltage,
SPDT contacts
ATS switch closes when cover is on 0.025A@28VDC
LED Indicator Lights operate at 12/24 VDC 0.025A@28VDC

Questions? Call: 866-322-1237 • FAX: 866-322-1233 • Visit us on the Internet at www.schlage.com
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Ingersoll Rand Security Technologies